Supplementary Table S3: Custom library for crucivirus CDS annotation

Capsid protein

YP 009337040 ABV21601 ABV21605 ABV21600 KX388503.1 capsid protein translation KX388519. KX388520. - capsid protein translation - capsid protein translation KX388513.1 capsid protein translation KX386251.1 - Capsid protein translation KX388525.1 - capsid protein translation KX388525.1 - capsid protein translation KX388523.1 - capsid protein translation KX388524.1 - capsid protein translation KX388526.1 - capsid protein translation KX388521.1 - capsid protein translation KX388521.1 - capsid protein translation KX388521.3 - capsid protein translation KX388522.1 - capsid protein translation K-388522.1 - capsid protein translation KX388512.1 - capsid protein translation KX388494.1 - capsid protein translation KX388494.1 - capsid protein translation KX388511.1 - capsid protein translation KX388511.1 - capsid protein translation KX388511.1 - capsid protein translation KX388517.1 - capsid protein translation KX388517.1 - capsid protein translation KX388517.1 - capsid protein translation KX388497.1 - capsid protein translation KX388510.1 - capsid protein translation KX388509.1 - capsid protein translation KX388527.1 - capsid protein translation KX388510.1 - capsid protein translation
KX388509.1 - capsid protein translation
KX388527.1 - capsid protein translation
KX388529.1 - capsid protein translation
KX388530.1 - capsid protein translation
KX388530.1 - capsid protein translation
KX388530.1 - capsid protein translation KX388505.1 - capsid protein translation KX388506.1 - capsid protein translation KX388500.1 - capsid protein translation KX38850.1 - capsid protein translation KX38850.1 - capsid protein translation KX388498.1 - capsid protein translation KX388498.1 - capsid protein translation KX388498.1 - capsid protein translation KX388508. capsid protein translation KX388516.1 - capsid protein translation KX388502.1 - capsid protein translation KX388495.1 - capsid protein translation KX388504.1 - capsid protein translation KX38498.1 - capsid protein translation KX38498.1 - capsid protein translation KX388515.1 - Capsid protein translation AU11754 KX388514.1 - Capsid protein translation YP_00933601 AHA86933 AHA86933 VP_009337040 YP_009337040 YP_009337040 YP_009342257 YP_009342257 ABV21601 ABV21601 ABV21605 ABV21600 AHA86933 YP_009337040 YP_009342257 AQU11790 AXH74444 AQR57899 BAF37070 AXH74994 AXH/4994 AQU11760 AXH74298 AUF34965 AQU11721 AQU11716 AQU11732 AQU11735 AQU11735 AHA86933 YP_009342257 NP_995579 NP_995579 NP_9955/S AQU11727 AQU11727 BAF37070 BAF37070 AXH77252 AXH77252 AXH74444 AXH74444 AXH74444 YP_009237532 YP_009237532 AQU11772 AQU11772 AQU11775 YP_009337040 AXH74994 AXH74994 AXH74993 AHA86933 AHA86933 AHA86933 YP_009252339 YP_009252339 AXH73059 AXH73059

YP_009336611 YP_009336611

AQU11782

AQU11782 AQU11784 AQU11784 AQU11778 AQU11778 AQR57899 AQR57899 ADK55584 ADK55584 ADK55585 ADK55585 ADK55582 ADK55582 ADK55583 ADK55583 YP_009342300 YP_009342300 YP_009336592 YP_009337418 YP_009109631 YP_009109631 YP_009337312 YP_009337312 AQU11750 AQU11750 AUM61786 ADK55582 AUM61786 AUM61786 AUM61959 AUM61959 AQU11701 AQU11701 AQU11708 AQU11708 AQU11708 AUM61905 AUM61905 AQU11748 AQU11748 AQU11763 AQU11763 AQU11713 AQU11713 AQU11745 AQU11745 AQU11742 AQU11742 AQU11790 AQU11790 AXH77579 AXH77579 AUM61616 AUM61616 AQU11735 APG76598 APG76598 AXL65908 AXL65908 AXL65908 AXL85908 AVIS4965 AUF34965 AUF34965 AWM12421 AKM12421 AKM12421 AKM12421 AVIN 1732 AQU11732 AQU11732 AQU11733 AQU11734 AXH77953 AXH77953 AXH77953 AVH77953 AUM61901 AUM61616 AUM61901 AUM61901 AXH76175 AXH76175 AQU11721 AQU11721 AQU11716 AQU11/16 AQU11716 AIF34804 AIF34804 YP_009142777 YP_009142777 AQU11739 AQU11739 AQU11739 AXH74298 AXH74298 AXH74298 AXH74708 AXH74708 YP_009336686 YP_009336686 AQU11760 AQU11760 AVE24065 AQU11/60 AYF34965 AYF34965 YP_009342257 YP_009342257 AHA86928 AHA86928 AOV86262 AOV86262 AQU11725 AQU11706 AQU11706 AQU11730 AQU11730 AXH76175 YP_009094499 YP_009336686 AQU11701 YP_009237532 AIF34804 AKM12421
AQU11734
AQU11745
AQU11745
AQU11747
AQU11775
AXH77953
AXH77953
AXH77952
AQU11778
YP_0093377418
NP_995579
AHA86933
AQU11754
AXH73059
AQU11754
AXH73059
AQU11756
AQU11756
AQU11756
AQU11756
AQU11756
ABV21600
ABV216

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KC248414 (modified) - Replication associated protein translation - ORF 2 (frame 1)
AIF76259 - Viral Rep
AIF76259 - Viral Rep
          KT214386 (modified) - Replication-associated protein interval 1 translation - C3 CDS KT214386 (modified) - C3 CDS translation - Replication-
    KT214386 (modified) - C3 CDS translation - Replication-associated protein
KT214386 (modified) - RepA CDS translation - C3 CDS
KT214386 (modified) - RepA CDS translation - C3 CDS
KT214386 (modified) - C3 CDS translation - RepA CDS
YP_009163920 - Viral Rep
AIF34802 - Viral Rep
AIF34802 - Viral Rep
AIF34802 - Viral Rep
GU734126 (modified) - Replication-associated protein
translation - C2 CDS
KM386645 (modified) - Replication-associated protein
translation - TrAP
AIF76277 - Viral Rep
AIF76277 - Viral Rep
KP153500 (modified) - Hypothetical 1 translation -
Hypothetical 1
            associated protein
          Hypothetical 1
KP153500 (modified) - Hypothetical 2 translation -
Hypothetical 1
KP153500 (modified) - Hypothetical 1 translation -
  KP153500 (modified) - Hypothetical 1 translation - Hypothetical 2 KF133827 - hypothetical protein CDS translation - hypothetical protein CDS KT149401 (modified) - hypothetical protein CDS translation 2 - Replication associated protein CDS translation 2 - Replication associated protein YP_09126898 - Viral Rep YP_09126898 - Viral Rep AGA18265 - Viral Rep AGA18265 - Viral Rep AGA18265 - Viral Rep AIX11626 - Viral Rep AIX11626 - Viral Rep AIX11626 - Viral Rep AUW34331 - Viral Rep AUW34331 - Viral Rep AUW34331 - Viral Rep YP_09109675 - Viral Rep YP_09109675 - Viral Rep YP_09109675 - Viral Rep KU203351 (modified) - ORF 6 (frame 3) translation - ORF 7 (frame 2)
AUW34331 - Viral Rep YP 009109675 - Viral Rep YP 009109675 - Viral Rep YP 009109675 - Viral Rep KU203351 (modified) - ORF 6 (frame 3) translation - ORF 7 (frame 2)
AF379637 (modified) - L4 CDS translation - Replication-associated protein MH545516.1 - Replication associated protein interval 2 translation - Replication associated protein interval 2 translation - Replication associated protein AGG39817 - Viral Rep AGG39817 - Viral Rep AJM89742 - Vir
        KT214309 (modified) - C3 CDS translation - replication-
associated protein
KT214389 (modified) - C3 CDS translation - C3 CDS
KT214389 (modified) - C3 CDS translation - C3 CDS
KT214389 (modified) - C3 CDS translation - RepA CDS
KX388527.1 - Replication associated protein translation
          Replication associated protein
KX388527.1 - Replication associated protein translation -
          stem loop
KX388527.1 - Replication associated protein translation -
      KA380327.1 - I replication associated protein CDS stanslation - Replication associated protein CDS translation - Replication associated protein KJ955448 (modified) - viral RNA-binding protein CDS translation - Replication associated protein
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KJ955449 (modified) - viral RNA-binding protein CDS
                   KJ955449 (modified) - viral RNA-binding protein CDS translation - Replication associated protein KJ955451 (modified) - viral RNA-binding protein CDS translation - Replication associated protein KR134311 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134312 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134314 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134315 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134316 (modified) - RNA-binding protein CDS translation - Replication associated protein CDS translation - Replication associated protein CDS translation - Replication associated protein CDS
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KR134316 (modified) - RNA-binding protein CDS
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KR134317 (modified) - RNA-binding protein CDS
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KR134318 (modified) - RNA-binding protein CDS
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KR134319 (modified) - RNA-binding protein CDS
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KR134320 (modified) - RNA-binding protein CDS
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KR134322 (modified) - RNA-binding protein CDS
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KR134323 (modified) - RNA-binding protein CDS
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KR13431 (modified) - RNA-binding protein CDS
KR134311 (modified) - RNA-binding protein CDS
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KR134312 (modified) - RNA-binding protein CDS
KR134314 (modified) - RNA-binding protein CDS
KR134314 (modified) - RNA-binding protein CDS
KR134314 (modified) - RNA-binding protein CDS
KR134316 (modified) - RNA-binding protein CDS
KR134316 (modified) - RNA-binding protein CDS
KR134316 (modified) - RNA-binding protein
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KR134337 (modified) - Replication associated protein translation - RNA-binding protein CDS KR134337 (modified) - RNA-binding protein CDS translation - RNA-binding protein CDS KR134338 (modified) - Replication associated protein translation - RNA-binding protein CDS KR134338 (modified) - Replication associated protein translation - RNA-binding protein CDS KR134339 (modified) - Replication associated protein translation - RNA-binding protein CDS KR134339 (modified) - Replication associated protein translation - RNA-binding protein CDS KR134349 (modified) - RNA-binding protein CDS KR134340 (modified) - RNA-binding protein CDS KR134340 (modified) - RNA-binding protein CDS KR134341 (modified) - RNA-binding protein CDS KR134321 (modified) - RPILATION ROPE (modified) - RPILATION ROPE (modified) - RNA-binding protein CDS KR134321 (modified) - RNA-binding protein CDS KR134322 (modified) - RNA-binding protein CDS KR134324 (modified) - RNA
KR134348 (modified) - Replication associated protein translation - RNA-binding protein CDS translation - Viral RNA-binding protein CDS KJ955448 (modified) - Replication associated protein translation - Viral RNA-binding protein CDS translation - Replication associated protein KR134326 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134327 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134328 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134329 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134330 (modified) - RNA-binding protein CDS translation - Replication associated protein KR134329 (modified) - RNA-binding protein CDS translation - RNA-binding 
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EU921828 (modified) - Replication-associated protein translation - TrAP
JX559642 (modified) - Replication-associated protein interval 2 translation - Replication-associated protein (KC108902 (modified) - TrAP translation - Ren GU456685 (modified) - TrAP translation - Ren EU921828 (modified) - TrAP translation - Ren AF379637 (modified) - TrAP translation - Ren KT149397 (modified) - Replication associated protein translation - hypothetical protein CDS
KT149405 (modified) - Replication associated protein translation - hypothetical protein CDS
KT388088 (modified) - C4 CDS translation - C4 CDS
KT388088 (modified) - Replication-associated protein translation - C4 CDS
KT388088 (modified) - C4 CDS translation - Replication
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associated protein
KR528558 (modified) - Replication associated protein
interval 1 translation - contains nonanucleotide motif stem
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KRS28558 (modified) - Replication associated protein
interval 1 translation - contains nonanucleotide motif stem
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KR134342 (modified) - RNA-binding protein CDS
Kranslation - RNA-binding protein CDS
Ku0s8671.1 - Capsid protein translation - Hypothetical protein
Ku0s8671.1 - Capsid protein translation - Hypothetical protein
Jo23166 (modified) - Capsid protein translation - Hypothetical protein
Jo23166 (modified) - Capsid protein translation - Hypothetical protein CDS
Jo23166 (modified) - Nypothetical protein CDS
Jo30591 (modified) - Nypothetical protein CDS
Jo30592 (modified) - Capsid protein translation - hypothetical protein CDS
Jo30593 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305994 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305994 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305994 (modified) - Nypothetical protein CDS translation - hypothetical protein CDS
Jo305994 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305994 (modified) - Nypothetical protein CDS translation - hypothetical protein CDS
Jo305996 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305996 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305996 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305996 (modified) - Capsid protein translation - hypothetical protein CDS
Jo305997 (modified) - Nypothetical protein CDS translation - hypothetical protein CDS
Jo305997 (modified) - Replication-associated protein - hypothetical protein CDS
Jo305997 (modified) - Replication-associated protein interval 2 translation -
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U49907 (modified) - C4 CDS translation - Replication-associated protein
KF133807 - Replication associated protein translation - hypothetical protein CDS
Ty959079 (modified) - Replication associated protein interval 1 translation - Replication associated protein interval 1 translation - Peplication associated protein interval 1 translation - Stem loop
Ty959079 (modified) - Replication associated protein interval 1 translation - stem loop
KR131749 (modified) - Replication associated protein interval 1 translation - stem loop
KR131749 (modified) - Replication-associated protein interval 2 translation - Peplication-associated protein interval 2 translation - Replication-associated protein KJ547646 (modified) - Replication-associated protein KJ547646 (modified) - Replication-associated protein KJ547646 (modified) - Peplication associated protein translation - hypothetical protein CDS
KR131749 (modified) - Replication associated protein translation - Replication associated protein CDS
KR1547646 (modified) - Replication-associated protein translation - Replication associated protein CDS
KR15378680 (modified) - Replication-associated protein interval 2 translation - Replication-associated protein KR153395 (modified) - Capsid protein translation - hypothetical protein CDS
KR153396 (modified) - Capsid protein translation - hypothetical protein CDS
KR153396 (modified) - Replication-associated protein translation - hypothetical protein CDS
KR153808 (modified) - Replication-associated protein translation - hypothetical protein CDS
KR1534126 (modified) - C4 CDS translation - C4 CDS
GU734126 (modified) - C4 CDS translation - Replication-associated protein translation - Replication-associated protein translation - Replication-associated protein translation - Replication-associated protein translation - Replication - Replication - Replication-associated protein translation - Replication - Replication - Replication - Replication - Replication - Replication -
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FJ959080 (modified) - Replication associated protein
translation - Replication associated protein
FJ959080 (modified) - Replication associated protein
translation - stem loop
FJ959080 (modified) - Replication associated protein
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KF133815 - hypothetical protein CDS interval 1 translation - hypothetical protein CDS
KF133815 - hypothetical protein CDS interval 1 translation
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KF133815 - hypothetical protein CDS interval 1 translation
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stem loop
YP_009237504 - Gemini AL1
YP_009237504 - Gemini AL1
AIF34803 - Gemini AL1
AIF34803 - Gemini AL1
YP_009237555 - Gemini AL1
AXH77952 - Gemini AL1
AXH77952 - Gemini AL1
AXH74707 - Gemini AL1
AXH74707 - Gemini AL1
AXH74707 - Gemini AL1
AXH74707 - Gemini AL1
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AAK73450 - Gemini AL1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KT149405 (Molled) - hypothetical protein CDS
translation 2 - Replication associated protein
AGA19549 - Gemini AL1 M
AGA19549 - Gemini AL1 M
JF755410 (modified) - ORF 3 (frame 2) translation - ORF 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    KM821767 (modified) - Replication associated protein interval 2 translation - Replication associated protein FJ959083 (modified) - hypothetical protein CDS translation
              FJ959079 (modified) - Capsid protein translation - stem
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      interval 2 translation - Replication associated protein FJ959083 (modified) - hypothetical protein CDS transla - Replication associated protein AF071878 (modified) - Replication associated protein AF071878 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein translation - Replication associated protein RR134311 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134312 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134321 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134322 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134311 (modified) - Replication associated protein translation - viral protein RNase Z CDS KR134312 (modified) - Replication associated protein translation - viral protein RNase Z CDS KR134321 (modified) - Replication associated protein translation - viral protein RNase Z CDS KR134322 (modified) - Replication associated protein translation - viral protein RNase Z CDS KR134322 (modified) - Replication associated protein translation - viral protein RNase Z CDS AU11729 - P-loop NTPase AU11729 - P-loop NTPase AU11729 - P-loop NTPase AH14131400 - RNA helicase AR144308 - RNA helicase AMD39533 - RNA helicase AMD39533 - RNA helicase
              loop
FJ959079 (modified) - Capsid protein translation - stem
       FJ959079 (modified) - Capsiloop
AXH78100 - Viral Rep
AXH78100 - Viral Rep
AJD07498 - Viral Rep
AJD07498 - Viral Rep
AXH73056 - P-loop NTPase
AXH73056 - P-loop NTPase
ARE68406 - CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (frame 3)
MH545525.1 - Replication associated protein translation
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MH545525.1 - Replication associated protein translation -
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MH545525.1 - Replication associated protein translation -
    AXH73056 - P-loop N1Pase
ARE68406 - CDS
ARE68406 - CDS
ARE68406 - replication associated protein
KY487865.1 - Replication associated protein translation -
Replication associated protein
KR528547 (modified) - Replication associated protein
interval 2 translation - Replication associated protein
KT388086 (modified) - TrAP translation - Ren
KT388086 (modified) - TrAP translation - Ren
KY487886.1 - Replication associated protein translation -
Replication associated protein
JX559642 (modified) - Replication-associated protein
interval 1 translation - ORF 5 (frame 3)
KF147918 (modified) - Replication-associated protein
interval 1 translation - ORF 5 (frame 3)
KF147918 (modified) - Replication-associated protein
interval 1 translation - ORF 5 (frame 3)
K84735 (modified) - Replication-associated protein
interval 1 translation - ORF C4 CDS translation - ORF C4
CDS

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AKR53286 - P-loop NTPase
AKR53286 - P-loop NTPase
KC248418 (modified) - Replication associated protein
translation - hypothetical protein CDS
U49907 (modified) - V3 CDS translation - V2 CDS
KP410285 (modified) - V3 CDS translation - V2 CDS
EU921828 (modified) - V3 CDS translation - V2 CDS
AF379637 (modified) - V3 translation - V2 CDS
AF379637 (modified) - V3 translation - V2 CDS
GU734128 (modified) - V3 CDS translation - V2 CDS
EU921828 (modified) - V3 CDS translation - V4 CDS
EU921828 (modified) - C4 CDS translation - C4 CDS
EU921828 (modified) - Replication-associated protein
translation - C4 CDS
EU921828 (modified) - C4 CDS translation - Replication-associated protein
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AHH31400 - RNA helicase
ARI44308 - RNA helicase
ARI44308 - RNA helicase
ARI44308 - RNA helicase
AMD39533 - RNA helicase
AMD39533 - RNA helicase
AMD39533 - RNA helicase
AMD39533 - RNA helicase
AUT13975 - RNA helicase
AUT13975 - RNA helicase
YP .009170674 - RNA helicase
YP .009170674 - RNA helicase
YP .009237578 - RNA helicase
YP .009237578 - RNA helicase
YP .009237578 - RNA helicase
YP .764455 - RNA helicase
AGA18409 - P-loop NTPase
AGA18409 - P-loop NTPase
ARE67375 - RNA helicase
ARE67375 - RNA helicase
NP .955176 - RNA helicase
NP .955176 - RNA helicase
NP .955176 - RNA helicase
AEL28813 - RNA helicase
AEL28813 - RNA helicase
AEL28813 - RNA helicase
AFH02742 - P-loop NTPase
ACU11733 - P-loop NTPase
AVH77121 - RNA helicase
ANH77121 - RNA helicase
ANH78630 - RNA helicase
ANH78647 - RNA helicase
ANH7867 - RNA helicase
ANH797 - RNA hel
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X84735 (modified) - Replication-associated protein
translation - TrAP
KF147918 (modified) - Capsid protein translation - ORF 3
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       CDS
X84735 (modified) - Replication-associated protein translation - ORF C4 CDS
X84735 (modified) - ORF C4 CDS translation - Replication-associated protein GU456885 (modified) - C4 CDS translation - C4 CDS GU456885 (modified) - Replication-associated protein translation - C4 CDS
GU456885 (modified) - C4 CDS translation - Replication-associated protein translation - C4 CDS
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JX559642 (modified) - Capsid protein translation - 14.7
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KX388507.1 - Replication associated protein translation -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        stem loop
KT214373 (modified) - Replication-associated protein
interval 1 translation - C3 CDS
KT214373 (modified) - C3 CDS translation - Replication-
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         COUNTY CALL CONTROL CO
         Act Description in the place of the session of the place of the session of the se
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JX559622 (modified) - hypothetical protein CDS translation
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         translation - C4 CDS
KT388086 (modified) - C4 CDS translation - Replication-
associated protein
KM386645 (modified) - C4 CDS translation - C4 CDS
KM386645 (modified) - Replication-associated protein
translation - C4 CDS
KM386645 (modified) - C4 CDS translation - Replication-
associated protein
NING 17943-1 - Replication associated protein translation hypothetical protein CDS
MH617545.1 - Replication associated protein translation -
Replication associated protein
JN857329 (modified) - Capsid protein translation -
Replication associated protein
AVH76405 - CDS
AVH76405 - Parvo NS1
AVH76405 - Parvo NS1
AVH76405 - putative Rep Protein
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AVH76405 - CDS
AVH76405 - Parvo NS1
AVH76
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Replication associated protein 
YP_009109660 - replication-associated protein 
YP_009109660 - start codon not determined CDS 
KF133817 - Replication associated protein translation - 
Replication associated protein CDS translation - stem 
loon
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KF133813 - Replication associated protein interval 2
translation - Replication associated protein
AQR57902 - Rep CDS
AQR57902 - replicase Protein
AQR57902 - TIP49
AQR57902 - TIP49
AQR57902 - TIP49
KR528564 (modified) - Replication associated protein
interval 2 translation - Replication associated protein
              KX618694 - HAP/C4 CDS translation - Replication
         KX618694 - HAP/C4 CDS translation - Heplication associated protein KT149405 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS KT149405 (modified) - Replication associated protein translation - hypothetical protein CDS
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KR131749 (modified) - Capsid protein translation - putative movement protein CDS KP153422 (modified) - Replication associated protein translation - Replication associated protein KP153508 (modified) - Replication associated protein translation - Replication associated protein KP153502 (modified) - Capsid protein translation - Replication associated protein KP153503 (modified) - Capsid protein translation - Replication associated protein KP153503 (modified) - Replication associated protein translation - Replicat KT149404 (modified) - Replication associated protein translation - hypothetical protein CDS KT149404 (modified) - hypothetical protein CDS translation 3 - Replication associated protein KF133827 - hypothetical protein CDS translation 2 - hypothetical protein CDS TP_009237571 - P-loop NTPase YP_009237571 - P-loop NTPase AWR89667 - CDS AWR89667 - CDS AWR89667 - replication initiation protein KF738883 (modified) - Replication associated protein interval 3 translation - Replication associated protein KR131749 (modified) - ORF4 CDS translation - Replication-associated protein MH425570.1 - Capsid protein translation - Replication associated protein associated protein protein replication - Replicatio KT149404 (modified) - Replication associated protein KT149408 (modified) - hypothetical protein CDS KT149408 (modified) - hypothetical protein CDS translation - hypothetical protein CDS translation - hypothetical protein CDS KT149408 (modified) - hypothetical protein CDS translation 4 - hypothetical protein CDS KT149408 (modified) - hypothetical protein CDS translation 4 - hypothetical protein CDS AIW81537 - RNA helicase AIW81537 - RNA helicase AQU11726 - P-loop NTPase AQU11726 - P-loop NTPase AQU11726 - P-loop NTPase KM598412 (modified) - Capsid protein translation - Replication associated protein AQU117/26 - P.loop NITPase
KM598412 (modified) - Capsid protein translation Replication associated protein
KF133823 - hypothetical protein CDS translation hypothetical protein CDS
KR131749 (modified) - Replication-associated protein
interval 2 translation - ORF4 CDS
AGA18265 - P-loop NITPase
AGA18265 - P-loop NITPase
AJD07498 - RNA helicase
AJD07498 - RNA helicase
AJD07498 - RNA helicase
AXH73792 - P-loop NITPase
YP_009237564 - P-loop NITPase
YP_009237564 - P-loop NITPase
YP_009237564 - P-loop NITPase
ALE29688 - RNA helicase
ALE29688 - RNA helicase
ALE29688 - RNA helicase
YP_00901742 - P-loop NITPase
YP_00901742 - P-loop NITPase
YP_0090448204 - RNA helicase
YP_009448204 - RNA helicase
AGA18286 - P-loop NITPase
GA18286 - P-loop NITPase associated protein associated protein KJ955447 (modified) - viral protein RNase Z CDS translation - Replication associated protein KJ955448 (modified) - viral protein RNase Z CDS KJ955449 (modified) - viral protein RNase Z CDS translation - Replication associated protein KJ955449 (modified) - viral protein RNase Z CDS translation - Replication associated protein KJ955450 (modified) - viral protein RNase Z CDS translation - Replication associated protein KJ955451 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134313 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134314 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134316 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134317 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134317 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134317 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134319 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134319 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134320 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134320 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134322 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134322 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134322 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134320 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134330 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134331 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134333 (modified) - viral protein RNase Z CDS translation - Replication associated protein KR134333 (modified) - viral protein RNase Z CDS translation - Replication associated protein KY884302.1 - Capsid protein translation - Heplication associated protein KP406530 (modified) - Replication associated protein translation - Replication associated protein KP153516 (modified) - Replication associated protein translation - Replication associated protein JF755408 (modified) - ORF 3 (frame 3) translation - ORF 3 (frame 3)
KT149412 (modified) - hypothetical protein CDS
translation - hypothetical protein CDS
translation - hypothetical protein CDS
KF738881 (modified) - Replication associated protein
translation - Replication associated protein
KJ547623 (modified) - Replication associated protein
translation - Replication associated protein
KF133816 - hypothetical protein CDS translation hypothetical protein CDS
AF379637 (modified) - L4 CDS translation - L4 CDS
MH545537.1 - Replication associated protein translation Replication associated protein YP_009448204 - RNA helicase
AGA18286 - P-loop NTPase
AGA18286 - P-loop NTPase
KP410285 (modified) - Replication-associated protein
interval 2 translation - Replication-associated protein
KM510190 (modified) - Capsid protein translation hypothetical protein CDS
KM510189 (modified) - Capsid protein translation hypothetical protein CDS
KF133819 - hypothetical protein CDS translation hypothetical protein CDS
KF133827 - Replication associated protein translation Replication associated protein translation Replication associated protein translation stem loop MH545537.1 - Replication associated protein translation - Replication associated protein KC248418 (modified) - hypothetical protein CDS translation - Replication associated protein KC248418 (modified) - hypothetical protein CDS translation - hypothetical protein CDS KP153494 (modified) - Replication associated protein translation - Replication associated protein KP153495 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KU043423.1 - Replication associated protein translation - Replication associated protein translati stem loop KF133827 - Replication associated protein translation stem loop KT945162 (modified) - Replication associated protein translation - Replication associated protein
translation - stem loop
KT945162 (modified) - Replication associated protein
translation - stem loop
KT945162 (modified) - Replication associated protein
translation - Stem loop
KT928568 (modified) - Replication associated protein
translation - Replication associated protein translation Replication associated protein
MH5455281 - Replication associated protein translation Replication associated protein
KX618694 - Replication associated protein
translation - Replic translation - Replication associated protein KT945162 (modified) - Replication associated protein translation - stem loop
KT945162 (modified) - Replication associated protein Replication associated protein
KX388502.1 - Replication associated protein translation Replication associated protein
KP153526 (modified) - Replication associated protein
translation - Replication associated protein
KF738882 (modified) - Replication associated protein
translation - Replication associated protein
KF753876 (modified) - Replication associated protein
KF753449 (modified) - Replication associated protein
KP153449 (modified) - Replication associated protein
KP153448 (modified) - Replication associated protein
translation - Replication associated protein KJS4/633 (modified) - Heplication associated protein translation - Replication associated protein KU043448.1 - Replication associated protein KU043448.1 - Replication associated protein Replication associated protein KP153420 (modified) - Replication associated protein KP153421 (modified) - Replication associated protein translation - Replication associated protein AF252610 (modified) - Replication associated protein AF252610 (modified) - Replication associated protein translation - Replication associated protein AF252610 (modified) - Replication associated protein translation - Replication associated protein KJ955448 (modified) - Replication associated protein KR134314 (modified) - Replication associated protein KR134314 (modified) - Replication associated protein KR134310 - Replication associated protein KR134312 (modified) - Replication associated protein KR134326 (modified) - Replication associated protein KR134327 (modified) - Replication associated protein translation - Replication associated protein KR134328 (modified) - Replication associated protein KR134331 (modified) - Replication associated protein KR134331 (modified) - Replication associated protein KR134333 (modified) - Replication associated protein KR134334 (modified) - Replication associated protein KR134333 (modified) - Replication associated protein translation - Replication as Hypothetical protein
KP153436 (modified) - Capsid protein translation Hypothetical protein
KP153435 (modified) - Capsid protein translation KP153435 (modified) - Capsid protein translation -Hypothetical protein

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KC543331 (modified) - Capsid protein translation - hypothetical protein CDS
KC794539 (modified) - Capsid protein translation - hypothetical protein CDS
KC794540 (modified) - Capsid protein translation - hypothetical protein CDS
KP153487 (modified) - Replication associated protein translation - Replication associated protein MF118169.1 - hypothetical protein CDS translation - hypothetical protein CDS
KP153376 (modified) - Replication associated protein translation - Replication associated protein (TS)
                             KR134335 (modified) - Replication associated protein
                 KR134335 (modified) - Replication associated protein translation - Replication associated protein KR134336 (modified) - Replication associated protein translation - Replication associated protein KR134339 (modified) - Replication associated protein KR134330 (modified) - Replication associated protein KR134340 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein RR134341 (modified) - Replication associated protein RR134341 - Replication associated protein RR134341 - Replication associated protein
                       translation - Replication associated protein KR134341 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KR134342 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KJ955447 (modified) - Replication associated protein KJ955449 (modified) - Replication associated protein translation - Replication associated protein
           KJ955449 (modified) - Replication associated protein translation - Replication associated protein KJ955451 (modified) - Replication associated protein translation - Replication associated protein KR134315 (modified) - Replication associated protein KR134316 (modified) - Replication associated protein translation - Replication associated protein - Replication associated protein - Replication associated protein - Replication associated protein - Replication associated 
translation - Replication associated protein KR134320 (modified) - Replication associated protein KR134322 (modified) - Replication associated protein translation - Replication associated protein KR134342 (modified) - Replication associated protein KR1343434 (modified) - Replication associated protein translation - Replication associated protein KR134345 (modified) - Replication associated protein KR134344 (modified) - Replication associated protein KR134348 (modified) - Replication associated protein KR134348 (modified) - Replication associated protein KR134349 (modified) - Replication associated protein KR134349 (modified) - Replication associated protein translation - Replication associated protein KR134312 (modified) - Replication associated protein translation - Replicat
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           KX388529.1 - Replication associated protein translation - Replication associated protein (X388530.1 - Replication associated protein ranslation - Replication associated protein MH545531.1 - Replication associated protein interval 1 translation - Replication associated protein KM874355 (modified) - Replication associated protein translation - Replication associated protein KM874356 (modified) - Replication associated protein KM874357 (modified) - Replication associated protein translation - Replication associated protein KM874357 (modified) - Replication associated protein translation - Replication associated protein ranslation - Replication associated protein translation - Replication associated protein ranslation - Replication - Replicatio
           KJ547628 (modified) - Replication associated protein translation - Replication associated protein KP153470 (modified) - Replication associated protein translation - Replication associated protein KP153471 (modified) - Replication associated protein translation - Replication associated protein MF118166.1 - hypothetical protein CDS translation 2 - hypothetical protein CDS
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KP153406 (modified) - Replication associated protein translation - Replication associated protein KT149394 (modified) - Replication associated protein KT149394 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KT945162 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KC248418 (modified) - Replication associated protein KY884302.1 - Replication associated protein ranslation - Replication associated protein associated protein ranslation - Replication associated protein ranslation -
KÉ153376 (modified) - Replication associated protein translation - Replication associated protein KP153375 (modified) - Replication associated protein translation - Replication associated protein K73847631 (modified) - Replication associated protein translation - Hopication associated protein KJ547631 (modified) - Replication associated protein K747631 (modified) - Replication associated protein K747632 (modified) - Replication associated protein translation - Replication associated protein NM874365 (modified) - Replication associated protein nterval 1 translation - Replication associated protein NC443515 (modified) - Replication associated 
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KP153442 (modified) - Replication associated protein
translation - Replication associated protein
X84735 (modified) - Movement protein translation -
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CDS
KT388086 (modified) - Ren translation - TrAP
KT388088 (modified) - Ren translation - TrAP
KT388088 (modified) - Ren translation - TrAP
KT388088 (modified) - Ren translation - Ren
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KY487896.1 - Replication associated protein translation -
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Replication associated protein 
KT149409 (modified) - hypothetical protein CDS 
translation - hypothetical protein CDS 
KP153410 (modified) - Replication associated protein 
translation - Replication associated protein 
KP153411 (modified) - Replication associated protein 
KF133818 - hypothetical protein CDS translation - 
hypothetical protein CDS
          (frame 2)
JX094280 (modified) - Capsid protein translation - ORF 2
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KF133818 - hypothetical protein CDS
KF133818 - hypothetical protein CDS translation - hypothetical protein CDS
KF133816 - hypothetical protein CDS translation 2 - hypothetical protein CDS
MF118167.1 - hypothetical protein CDS translation 4 - hypothetical protein CDS
MF118166.1 - hypothetical protein CDS translation 4 - hypothetical protein CDS
F1959086 (modified) - hypothetical protein CDS translation - hypothetical protein CDS
J0920499 (modified) - hypothetical protein translation -
        (name 2)
JQ898333 (modified) - Capsid protein translation -
hypothetical protein CDS
JF755411 (modified) - ORF 6 (frame 2) translation - ORF 6
                          755412 (modified) - ORF 6 (frame 2) translation - ORF 6
        (frame 2)
JF755413 (modified) - ORF 6 (frame 2) translation - ORF 6
        (frame 2)
JF755414 (modified) - ORF 6 (frame 2) translation - ORF 6
          JF755402 (modified) - ORF 9 (frame 1) translation - ORF 9
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              frame 1)
IX559642 (modified) - 17.9 kDa protein CDS translation -
        Replication-associated protein
JX559642 (modified) - 17.9 kDa protein CDS translation -
17.9 kDa protein CDS
KR131749 (modified) - Replication-associated protein
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Replication associated protein 
HQ322117 (modified) - Replication associated protein 
translation - Replication associated protein 
KX388497.1 - hypothetical protein CDS translation 2 - 
hypothetical protein CDS 
KX618694 - Capsid protein translation - Pre-CP/V2 CDS 
JQ920490 (modified) - putative BL1-like movement protein 
CDS translation - putative BL1-like movement protein 
CDS translation - putative BL1-like movement protein 
CDS translation - hypothetical protein CDS translation - 
hypothetical protein CDS 
KX388497.1 - hypothetical protein CDS translation - 
hypothetical protein CDS
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K.J955447 (modified) - truncated viral movement major protein CDS translation - truncated viral movement major protein CDS
K.J955448 (modified) - truncated viral movement major protein CDS translation - truncated viral movement major protein CDS
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    FJ665630 (modified) - Replication-associated protein translation - Replication-associated protein FJ665634 (modified) - Replication-associated protein translation - Replication-associated protein JX559642 (modified) - Replication-associated protein interval 1 translation - Replication-associated protein interval
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  Notal American Translation - Replication-associated protein interval 1 translation - RepA Y00514 (modified) - RepA translation - Replication-associated protein interval 1 y00514 (modified) - Replication-associated protein interval 1 translation - Replication-associated protein y00514 (modified) - RepA translation - RepA EF536860 (modified) - RepA translation - RepIcation-associated protein interval 1 translation - RepA translation - RepIcation-associated protein interval 1 translation - RepA translation - RepIcation-associated protein interval 1 translation - RepIcation-associated protein interval 1 translation - RepIcation-associated protein EF536860 (modified) - RepIcation-associated protein EF536860 (modified) - RepIcation-associated protein EF536860 (modified) - RepA translation - RepA MH545523 1 - RepIcation associated protein translation - RepIcation - RepIcatio
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KR134316 (modified) - truncated viral movement protein CDS 
CDS translation - truncated viral movement protein CDS 
KR134317 (modified) - truncated viral movement protein
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KR134318 (modified) - truncated viral movement protein CDS 
CDS translation - truncated viral movement protein CDS 
KR134319 (modified) - truncated viral movement protein
      Nino453.3.1 - replication associated protein transiation. 
Replication associated protein 
JQ920490 (modified) - Replication-associated protein 
interval 1 translation - Replication-associated protein 
KP153405 (modified) - Replication associated protein 
translation - Replication associated protein
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KP153406 (modified) - Replication associated protein

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KR134322 (modified) - truncated viral movement protein
       KH134322 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134323 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134324 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134325 (modified) - truncated viral movement protein CDS translation - truncated v
          CDS translation - truncated viral movement protein CDS 
KR134326 (modified) - truncated viral movement protein CDS 
CDS translation - truncated viral movement protein CDS 
KR134327 (modified) - truncated viral movement protein
       CDS translation - truncated viral movement protein CDS KR134328 (modified) - truncated viral movement protein CDS KR134328 (modified) - truncated viral movement protein CDS KR134329 (modified) - truncated viral movement protein CDS KR134329 (modified) - truncated viral movement protein
          CDS translation - truncated viral movement protein CDS 
KR134330 (modified) - truncated viral movement protein CDS 
CDS translation - truncated viral movement protein CDS 
KR134331 (modified) - truncated viral movement protein
          CDS translation - truncated viral movement protein CDS 
KR134332 (modified) - truncated viral movement protein CDS 
CDS translation - truncated viral movement protein CDS 
KR134333 (modified) - truncated viral movement protein
          CDS translation - truncated viral movement protein CDS KR134334 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS translation - truncated viral movement protein CDS
          CDS translation - funcated viral movement protein CDS (RR134335 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS (RR134336 (modified) - truncated viral movement protein
       CDS translation - truncated viral movement protein CDS KR134337 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134338 (modified) - truncated viral movement protein CDS KR134338 (modified) - truncated viral movement protein
     KH134338 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134339 (modified) - truncated viral movement protein CDS KR134340 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134341 (modified) - truncated viral movement protein CDS KR134342 (modified) - truncated viral movement protein CDS KR134342 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS translation - truncated viral movement protein CDS translation - truncated viral movement protein
          CDS translation - truncated viral movement protein CDS 
KR134343 (modified) - truncated viral movement protein CDS 
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KR134344 (modified) - truncated viral movement protein
       KR134344 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134345 (modified) - truncated viral movement protein CDS KR134347 (modified) - truncated viral movement protein CDS KR134347 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS translation - truncated viral movement protein CDS translation - truncated viral movement protein CDS KR134349 (modified) - truncated viral movement protein CDS KR134350 (modified) - truncated viral movement protein CDS KR134350 (modified) - truncated viral movement protein CDS translation - truncated viral movement protein CDS
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KM386645 (modified) - Capsid protein translation - Movement protein X84735 (modified) - Ren translation - TrAP X84735 (modified) - Ren translation - Ren KM386645 (modified) - Ren translation - Ren KM386645 (modified) - Ren translation - TrAP KM386645 (modified) - Ren translation - Ren KF133818 - hypothetical protein CDS translation 4 - hypothetical protein CDS KT732834 (modified) - Replication associated protein KM821753 (modified) - Replication associated protein KM821753 (modified) - Replication associated protein KM321753 (modified) - Replication associated protein KT732832 (modified) - hypothetical protein CDS translation - Replication associated protein KT732837 (modified) - Replication associated protein translation - Replication associated protein KP153439 (modified) - Replication associated protein translation - Replication associated protein KP153438 (modified) - Replication associated protein KP153438 (modified) - Replication associated protein KP153438 (modified) - Replication associated protein KR388494.1 - Replication associated protein translation - Replication associated protein KR388494.1 - Replication associated protein translation - Replication associated pr
          Movement protein
          KX388494.1 - Replication associated protein translation -
          stem loop
KX388494.1 - Replication associated protein translation -
          Replication associated protein
KM821763 (modified) - Replication associated protein
translation - Replication associated protein
KM386645 (modified) - Movement protein translation -
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Movement protein

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KT149401 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS KJ547629 (modified) - Replication associated protein translation - Replication associated protein KM821770 (modified) - Replication associated protein interval 1 translation - Replication associated protein KC248416 (modified) - hypothetical protein CDS translation - hypothetical protein CDS KP153489 (modified) - Replication associated protein KP153488 (modified) - Replication associated protein KP153488 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein LR362236 (modified) - Replication associated protein RK862236 (modified) - Replication associated protein
   translation - Replication associated protein KT862236 (modified) - Replication associated protein translation - Replication associated protein KR528543 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KT862234 (modified) - Replication associated protein KP153500 (modified) - Hypothetical 2 translation - Hypothetical 2
KP153500 (modified) - Hypothetical 2 translation - 
Hypothetical 2 
KP153500 (modified) - Replication associated protein 
translation - Replication associated protein 
KT214386 (modified) - V3 CDS translation - V2 CDS 
KT214386 (modified) - V3 CDS translation - V4 CDS 
KT214386 (modified) - V3 CDS translation - V3 CDS 
JX559642 (modified) - 14.7 kDa protein CDS translation - 
14.7 kDa protein CDS 
AF379637 (modified) - TrAP translation - Replication-
associated protein 
AF379637 (modified) - TrAP translation - TrAP
         AF379637 (modified) - TrAP translation - TrAP
ÄF379637 (modified) - TrAP translation - TrAP KR528546 (modified) - Replication associated protein translation - Replication associated protein KP153423 (modified) - Replication associated protein translation - Replication associated protein KP153403 (modified) - Replication associated protein translation - Protein translation - Replication associated protein - Replication - Replication associated protein - Replication - Replication associated protein - Replication - Replication - Replication associated protein
Movement protein
DQ458791 (modified) - Movement protein translation -
Movement protein
KC248424 (modified) - Replication associated protein
KR248424 (modified) - Replication associated protein
KM821762 (modified) - Replication associated protein
KR9153477 (modified) - Replication associated protein
KR9153478 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
KR9153480 (modified) - Replication associated protein
KR9153481 (modified) - Replication associated protein
KR9153481 (modified) - Replication associated protein
      Movement protein
   interval 1 translation - Replication associated protein 
KP153481 (modified) - Replication associated protein 
interval 1 translation - Replication associated protein 
KP153482 (modified) - Replication associated protein 
interval 1 translation - Replication associated protein 
KP153476 (modified) - Replication associated protein 
interval 1 translation - Replication associated protein 
KP153459 (modified) - Hypothetical 1 translation - 
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KP153461 (modified) - Hypothetical 1 translation -
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KP153462 (modified) - Hypothetical 1 translation -
      Hypothetical 1
KP153460 (modified) - Hypothetical 1 translation -
KP153460 (modified) - Hypothetical 1 translation - Hypothetical 1 
KP153463 (modified) - Hypothetical 1 translation - Hypothetical 1 
KP153463 (modified) - V3 CDS translation - V4 CDS 
KT214373 (modified) - V3 CDS translation - V3 CDS 
KJ547625 (modified) - Replication associated protein 
translation - Replication associated protein 
KT149406 (modified) - hypothetical protein CDS 
translation 2 - hypothetical protein CDS translation 2 - hypothetical protein CDS 
FJ959077 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS 
KT388088 (modified) - Movement protein translation - Movement protein
KT388088 (modified) - Movement protein translation - Movement protein KT214373 (modified) - V4 CDS translation - V4 CDS KT214386 (modified) - V4 CDS translation - V2 CDS KT214386 (modified) - V4 CDS translation - V4 CDS KT214389 (modified) - V4 CDS translation - V4 CDS KX388501.1 - Replication associated protein translation - Replication associated protein - Replication - Replic
KX388498.1 - Replication associated protein translation - 
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KX388500.1 - Replication associated protein translation - 
Replication associated protein 
KF133817 - hypothetical protein CDS translation - 
hypothetical protein CDS RT732784 (modified) - Replication associated protein 
translation - Replication associated protein 
KP153404 (modified) - Replication associated protein 
translation - Replication associated protein 
JF713717 (modified) - unknown CDS translation - 
unknown CDS - 
KB528566 (modified) - Replication associated protein
      unknown CDS
KR528566 (modified) - Replication associated protein
translation - Replication associated protein
JF713718 (modified) - unknown CDS translation 2 -
         unknown CDS
unknown CDS
KX388513.1 - hypothetical protein CDS translation -
hypothetical protein CDS
KT149400 (modified) - hypothetical protein CDS
translation 4 - hypothetical protein CDS
KU043406.1 - Replication associated protein translation -
Replication associated protein
KM598390 (modified) - hypothetical protein CDS
translation - hypothetical protein CDS
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KM821764 (modified) - hypothetical protein CDS translation - hypothetical protein CDS KT149395 (modified) - Replication associated protein translation - Replication associated protein KT149396 (modified) - hypothetical protein CDS translation - hypothetical protein CDS KC248425 (modified) - hypothetical protein CDS translation - hypothetical protein CDS translation - hypothetical protein CDS KT214386 (modified) - V2 CDS translation - V2 CDS KR131749 (modified) - ORF4 CDS translation - ORF4 CDS
          KT732824 (modified) - Replication associated protein
          translation - Replication associated protein
KM573768 (modified) - ORF2 CDS translation - ORF2
          KM821750 (modified) - Replication associated protein
          KM821730 (modified) - replication associated protein
KM821760 (modified) - hypothetical protein CDS
translation - hypothetical protein CDS
KM821760 (modified) - hypothetical protein CDS translation - hypothetical protein CDS translation - hypothetical protein CDS KJ547630 (modified) - Replication associated protein translation - Replication associated protein KF133822 - hypothetical protein CDS translation - hypothetical protein CDS KP153397 (modified) - Capsid protein translation - Replication associated protein KP153398 (modified) - Capsid protein translation - Replication associated protein KP153399 (modified) - Capsid protein translation - Replication associated protein KP153400 (modified) - Capsid protein translation - Replication associated protein KP153401 (modified) - Capsid protein translation - Replication associated protein KP153401 (modified) - Capsid protein translation - Replication associated protein KP153401 (modified) - Replication associated protein interval 1 translation - Replication associated protein interval 1 translation - Replication associated protein KP133814 - hypothetical protein CDS KP133815 - ORF 5 (frame 2) translation - hypothetical protein CDS KF133815 - ORF 5 (frame 2) translation - ORF 5 (frame 2) translation - Replication associated protein cDS KF133815 - ORF 5 (frame 2) translation - ORF 5 (frame 2) translation - Seplication associated protein translation - Replication associated protein translation - Hopothetical protein CDS
  Replication associated protein
FJ959077 (modified) - hypothetical protein CDS translation
- hypothetical protein CDS
FJ959077 (modified) - hypothetical protein CDS translation
- hypothetical protein CDS
KF738877 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
KM573767 (modified) - ORF3 CDS translation - ORF3
CDS
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JX559642 (modified) - Movement protein translation -
Movement protein
GU734126 (modified) - V2 CDS translation - V3 CDS
GU734126 (modified) - V2 CDS translation - V2 CDS
EU921828 (modified) - V2 CDS translation - V3 CDS
EU921828 (modified) - V2 CDS translation - V2 CDS
AF379637 (modified) - V2 CDS translation - V2 CDS
AF379637 (modified) - V2 translation - V3
AF379637 (modified) - V2 translation - V3
H0443515 (modified) - V2 CDS translation - V3 CDS
H0443515 (modified) - V2 CDS translation - V3 CDS
H0443515 (modified) - V2 CDS translation - V3 CDS
H049907 (modified) - V2 CDS translation - V2 CDS
KF133819 - hypothetical protein CDS translation - V2 CDS
KF33819 - hypothetical protein CDS translation - Paplication associated protein
KJ547653 (modified) - Replication associated protein
KJ547653 (modified) - hypothetical protein CDS
J0085285 - Capsid protein translation - Replication
associated protein
KT388086 (modified) - Replication-associated protein
KT388086 (modified) - Replication-associated protein
KT388086 (modified) - Movement protein translation -
Movement protein
            JX559642 (modified) - Movement protein translation -
translation - Replication-associated protein
KF147918 (modified) - Movement protein translation -
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KM598396 (modified) - Replication associated protein
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KP153372 (modified) - Replication associated protein
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          (frame 2)
JF755410 (modified) - ORF 4 (frame 3) translation - ORF 4
  (frame 3)
JX305991 (modified) - hypothetical protein CDS translation
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JX305992 (modified) - hypothetical protein CDS translation
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JX305993 (modified) - hypothetical protein CDS translation
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JX305994 (modified) - hypothetical protein CDS translation
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JX305995 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS
JX305996 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS
JX305997 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS
JQ023166 (modified) - hypothetical protein CDS
translation 2 - hypothetical protein CDS
translation 2 - hypothetical protein CDS
translation 2 - hypothetical protein CDS translation 2 - hypothetical protein CDS
KF133827 - hypothetical protein CDS translation 3 - hypothetical protein CDS
KF133827 - hypothetical protein CDS translation 3 - hypothetical protein CDS
KM874337 (modified) - Replication associated protein translation - Replication associated protein
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KC108902 (modified) - TrAP translation - TrAP
KU043446.1 - Replication associated protein translation -
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Replication associated protein 
KM874294 (modified) - Replication associated protein 
translation - Replication associated protein 
KM874292 (modified) - Replication associated protein 
translation - Replication associated protein 
KM874293 (modified) - Replication associated protein 
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FIRESESS (modified) - Cansid protein translation -
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FJ665630 (modified) - Capsid protein translation -
Movement protein
FJ665634 (modified) - Capsid protein translation -
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KM874336 (modified) - Replication associated protein translation - Replication associated protein KM874327 (modified) - Replication associated protein translation - Replication associated protein KM874324 (modified) - Replication associated protein KM874325 (modified) - Replication associated protein KM874326 (modified) - Replication associated protein KM874326 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein translation associated protein translation associated protein translation associated protein associated protein associated protein translation associated protein translation associated protein translation associated protein associated protein translation associated protein translati
         Replication associated protein
KM598391 (modified) - Replication associated protein
translation - Replication associated protein
KU043449.1 - Hypothetical protein translation -
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   KU043449.1 - Hypothetical protein translation - 
Hypothetical protein 
KP153504 (modified) - Replication associated protein 
translation - Replication associated protein 
KM598392 (modified) - Replication associated protein 
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KY487835.1 - Replication associated protein 
translation - 
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KU043396.1 - Replication associated protein 
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      KOV45396.1 - Replication associated protein translation - Replication associated protein KX388507.1 - Replication associated protein translation - Replication associated protein translation - Leuis COLOR - Replication associated protein translation - Leuis COLOR - Replication associated protein translation - Replication - Replic
      KF133815 - Heplication associated protein translation - hypothetical protein CDS
KF133815 - Replication associated protein translation - Replication associated protein
KF133815 - hypothetical protein CDS translation - hypothetical protein CDS
KX388510.1 - Replication associated protein translation - Replication - Replication - Replica
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KX388510.1 - Replication associated protein translation - 
Replication associated protein 
KJ206566 (modified) - hypothetical protein CDS translation 
- hypothetical protein CDS 
KT945163 (modified) - hypothetical protein CDS 
translation - hypothetical protein CDS 
FJ959081 (modified) - Replication associated protein 
translation - Replication associated protein 
KR528557 (modified) - Replication associated protein 
translation - Replication associated protein 
GU456685 (modified) - Movement protein translation - 
Movement protein
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         Movement protein
KT388086 (modified) - Movement protein translation -
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JF755406 (modified) - ORF 7 (frame 1) translation - ORF 7
            Movement protein
         KC108902 (modified) - Movement protein translation -
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KT945154 (modified) - hypothetical protein CDS
translation - Hypothetical 2
KT945154 (modified) - hypothetical protein CDS
translation - hypothetical protein CDS
KP153466 (modified) - Replication associated protein
translation - Replication associated protein
KP153464 (modified) - Replication associated protein
KP153465 (modified) - Replication associated protein
translation - Replication associated protein
(Frame 2) translation - ORF 6 (frame 2) translation - ORF 6
   KC108902 (modified) - Movement protein translation - Movement protein 
KM821751 (modified) - Replication associated protein 
KR528565 (modified) - Replication associated protein 
KR528565 (modified) - Replication associated protein 
KR149399 (modified) - hypothetical protein CDS 
translation 2 - hypothetical protein CDS 
KF133808 - Replication associated protein 
KF1959086 (modified) - Replication associated protein 
FJ959086 (modified) - Replication associated protein 
translation - Replication associated protein
FJ959086 (modified) - Replication associated protein translation - Replication associated protein KM874309 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein translation - Replication associated protein CDS translation - Replication Protein CDS translation - Replication protein CDS (KM874319 (modified) - Capsid protein translation - Replication associated protein KM874321 (modified) - Capsid protein translation - Replication associated protein KM874322 (modified) - Capsid protein translation - Replication associated protein translation - Replication associated protein replication associated protein replication associated protein replication associated protein translation - Replication associated protein replicatio
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JF755405 (modified) - ORF 6 (frame 2) translation - ORF 6
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KP153468 (modified) - Replication associated protein
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KF153467 (modified) - Replication associated protein 
translation - Replication associated protein 
JF755404 (modified) - ORF 8 (frame 3) translation - ORF 8
      KMB/4322 (modified) - Capsid protein translation - 
Replication associated protein 
AIF76255 - Q-loop/lid 
AIF76255 - Q-loop/lid 
KF133807 - Replication associated protein translation - 
Replication associated protein 
KP153504 (modified) - hypothetical protein translation - 
hypothetical protein
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JF755405 (modified) - ORF 8 (frame 3) translation - ORF 8
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KP153461 (modified) - hypothetical 2 translation -
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      hypothetical protein
KP153441 (modified) - Capsid protein translation -
Replication associated protein
KT388088 (modified) - TrAP translation - Replication-
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         associated protein
KT388088 (modified) - TrAP translation - TrAP
KT388086 (modified) - TrAP translation - Replication-
         associated protein
KT388086 (modified) - TrAP translation - TrAP
EU921828 (modified) - TrAP translation - Replication-
      associated protein
EU921828 (modified) - TrAP translation - TrAP
GU456885 (modified) - TrAP translation - Replication-
associated protein
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KM874344 (modified) - Replication associated protein translation - Replication associated protein KM874345 (modified) - Replication associated protein translation - Replication associated protein CDS JX305991 (modified) - hypothetical protein CDS interval 1 translation - hypothetical protein CDS JX305992 (modified) - hypothetical protein CDS JX305992 (modified) - hypothetical protein CDS JX305993 (modified) - hypothetical protein CDS JX305994 (modified) - hypothetical protein CDS JX305996 (modified) - hypothetical protein CDS interval 1 translation - Replication associated protein CDS interval 1 translation - Replication a
                 MF351517.1 - Replication associated protein translation -
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                 Replication associated protein
MF351516.1 - Replication associated protein translation
             MG522857.1 - Replication associated protein translation - Replication associated protein MG522857.1 - Replication associated protein translation - Replication associated protein mG522856.1 - Replication associated protein translation - Replication associated protein MG522855.1 - Replication associated protein translation - MG522855.1 - Replication associated protein translation -
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MF351518.1 - Replication associated protein translation -
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MF351520.1 - Replication associated protein translation -
Replication associated protein
MG522858.1 - Replication associated protein translation -
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             Replication associated protein
MF351514.1 - Replication associated protein translation -
Replication associated protein
KX388513.1 - Replication associated protein translation -
MF351514.1 - Replication associated protein translation - Replication associated protein KX388513.1 - Replication associated protein translation - Replication associated protein KR528551 (modified) - Replication associated protein translation - Replication associated protein rule rule translation - Replication associated protein KP15399079 (modified) - Replication associated protein KP153395 (modified) - Neplication associated protein KP153395 (modified) - Neplication associated protein KP153396 (modified) - Peplication associated protein translation - Neplication - Replication associated protein translation - Replication associated protein interval 1 translation - Replication-associated protein interval 1 translation - Replication-associated protein KJ437671 (modified) - Replacation-associated protein interval 1 translation - Replication-associated protein KJ437671 (modified) - Replacation-associated protein KJ437671 (modified) - Replacation-associated protein KM874951 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KM874296 (modified) - Replication associated protein translation - Repli
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AEL28791 - replication-associated protein
KJ547620 (modified) - Replication associated protein
KJ547620 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
MH616757.1 - Replication associated protein translation -
hypothetical protein CDS
MH616757.1 - Replication associated protein translation -
Replication associated protein CDS translation -
hypothetical protein CDS
KT149405 (modified) - Replication associated protein
translation - Replication associated protein interval 1
translation - Replication associated protein interval 1
translation - Replication associated protein
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KJ547647 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS
KJ547652 (modified) - Replication associated protein translation - Replication associated protein KX388521.1 - Replication associated protein translation - Replication associated protein - Replication - Replication - Replication - Replication - Replication - Replication - R
                    stem loop
KX388503.1 - Replication associated protein translation
                    stem loop
KX388503.1 - Replication associated protein translation -
          KX388503.1 - Replication associated protein translation - 
Replication associated protein CDS translation - 
hypothetical protein CDS KT149396 (modified) - 
Replication associated protein 
KT149396 (modified) - Replication associated protein 
translation - Replication associated protein 
KP153412 (modified) - Replication associated protein 
translation - Replication associated protein 
KP153413 (modified) - Replication associated protein 
translation - Replication associated protein 
MH545522.1 - Replication associated protein 
HR545522.1 - Replication associated protein translation - 
Replication associated protein
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Replication associated protein 
KM874320 (modified) - Replication associated protein 
KF133811 - unk translation - unk 
KF1345164 (modified) - Replication associated protein 
KF13825 - hypothetical protein CDS translation - 
hypothetical protein CDS 
KU043405.1 - Hypothetical protein translation - 
hypothetical protein 
KY388516.1 - Replication associated protein interval 1 
translation - Replication associated protein interval 1 
translation - Replication associated protein 
KM573765 (modified) - ORF2 CDS translation - ORF2 
CDS
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KX388523.1 - Replication associated protein translation -
Replication associated protein
KX388524.1 - Replication associated protein translation -
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KX388525.1 - Replication associated protein translation -
      MH545522.1 - Replication associated protein translatic Replication associated protein KT732833 (modified) - Replication associated protein translation - Replication associated protein ranslation - Replication associated protein ranslation - Replication associated protein AF379637 (modified) - Ren translation - TrAP AF379637 (modified) - Ren translation - Ren EU921828 (modified) - Ren translation - Ren KT149410 (modified) - Replication associated protein translation - Replication associated protein KT149409 (modified) - Replication associated protein KC108902 (modified) - Ren translation - TrAP KC108902 (modified) - Ren translation - TrAP KC108902 (modified) - Ren translation - TrAP KC108902 (modified) - Ren translation - Ren JF713718 (modified) - unknown CDS translation - unknown CDS (modified) - Capsid protein translation -
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KT732825 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
MH545517.1 - Replication associated protein translation
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KM874350 (modified) - Replication associated protein 
interval 1 translation - Replication associated protein 
KU043436.1 - Replication associated protein translation -
      JF713718 (modified) - unknown CDS translation - unknown CDS
KF738880 (modified) - Capsid protein translation - Replication associated protein
KP153527 (modified) - Capsid protein translation - Replication associated protein
KT149408 (modified) - Replication associated protein translation - Replication associated protein KM874361 (modified) - Replication associated protein KR528548 (modified) - Replication associated protein translation - Replication associated protein KM821767 (modified) - Replication associated protein KM821766 (modified) - Replication associated protein KM821766 (modified) - Replication associated protein CDS translation 2 - hypothetical protein CDS translation - Replication associated protein Prot
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Replication associated protein 
KM821761 (modified) - Replication associated protein 
translation - Replication associated protein 
JX185418 (modified) - Capsid protein translation - 
Replication associated protein 
KM821750 (modified) - Capsid protein translation - 
Replication associated protein 
MH5252520.1 - Capsid protein translation - hypothetical 
protein CDS
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KR528543 (modified) - Capsid protein translation -
Replication associated protein
MH545533.1 - Replication associated protein translation -
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          KU043424.1 - Replication associated protein translatio
Replication associated protein
KM598389 (modified) - Replication associated protein
translation - Replication associated protein
KP153370 (modified) - Replication associated protein
translation - Replication associated protein
JF938078 (modified) - Replication associated protein
translation - Replication associated protein
KF133820 - hypothetical protein CDS translation -
hypothetical protein CDS
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KT214386 (modified) - Replication-associated protein interval 1 translation - RepA CDS KT214386 (modified) - RepA CDS translation - Replication-associated protein interval 1 KT214386 (modified) - Replication-associated protein interval 1 translation - Replication-associated protein interval 1 translation - Replication-associated protein KT214386 (modified) - RepA CDS translation - RepA CDS KT214373 (modified) - Replication-associated protein interval 1 translation - RepA CDS translation - Replication-associated protein interval 1 translation - Capsid protein translation - Replication associated protein F713444 (modified) - Capsid protein translation - Replication associated protein JF713717 (modified) - unknown CDS translation 2 - unknown CDS
JF713716 (modified) - unknown CDS translation - Unknown CDS
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KC248414 (modified) - ORF 2 (frame 1) translation - ORF
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KM874319 (modified) - Replication associated protein translation - Replication associated protein KM874321 (modified) - Replication associated protein translation - Replication associated protein KM874322 (modified) - Replication associated protein translation - Replication associated protein KC248420 (modified) - hypothetical protein CDS translation - Replication associated protein KC248420 (modified) - hypothetical protein CDS (C248420 (modified) - hypothetical protein CDS)
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MG522853.1 - Replication associated protein translation -
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KM598393 (modified) - Replication associated protein 
translation - Replication associated protein 
MF351519.1 - Replication associated protein translation -
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KC248420 (modified) - hypothetical protein CDS
translation - hypothetical protein CDS
KF133823 - hypothetical protein CDS translation 2 -
hypothetical protein CDS
X84735 (modified) - Capsid protein translation - Movement
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MF351519.1 - Replication associated protein
KF153364 (modified) - Replication associated protein
KF153365 (modified) - Replication associated protein
KF153365 (modified) - Replication associated protein
KF153365 (modified) - Replication associated protein
KF153366 (modified) - Replication associated protein
KF153367 (modified) - Replication associated protein
KF354515.1 - Replication associated protein
KF354515.1 - Replication associated protein
KU043425.1 - Replication associated protein
KF34534.1 - Replication associated protein translation -
Replication associated protein
MF327574.1 - Replication associated protein translation -
Replication associated protein
KM388508.1 - hypothetical protein CDS translation -
Npothetical protein CDS
KM874315 (modified) - Replication associated protein
translation - Replication associated protein
KM874317 (modified) - Replication associated protein
KM874318 - Replication associated protein
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GU734126 (modified) - C2 CDS translation - Replication-
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   unknown CDS
JF713716 (modified) - unknown CDS translation -
unknown CDS
EU921828 (modified) - Replication-associated protein
translation - Replication-associated protein
KC108902 (modified) - Replication-associated protein
KC108902 (modified) - Replication-associated protein
GU456685 (modified) - Replication-associated protein
translation - Replication-associated protein
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Replication associated protein
FJ959084 (modified) - Replication associated protein
translation - Replication associated protein
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KX618694 - TrAP translation - TrAP
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KX618694 - TrAP translation - TrAP
KY153394 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
KU043439.1 - Replication associated protein
KU043439.1 - Replication associated protein
translation - Replication associated protein
       FJ959084 (modified) - Heplication associated protein translation - Replication associated protein KF133812 - Replication associated protein translation - Replication associated protein KF133827 - Replication associated protein translation - Replication associated protein CDS translation - hypothetical protein CDS translation - hypothetical protein CDS KU043415.1 - Hypothetical protein translation - hypothetical protein translation - hypothetical protein protein translation - hypothetical protein protein translation - hypothetical protein protein protein translation - hypothetical protein protein translation - hypothetical protein protein translation - hypothetical protein prote
       KU043415.1 - Hypothetical protein translation - 
Hypothetical protein DQ458791 (modified) - Replication-associated protein interval 1 translation - C1 CDS DQ458791 (modified) - C1 CDS translation - Replication-associated protein interval 1 DQ458791 (modified) - Replication-associated protein interval 1 translation - Replication-associated protein interval 1 translation - Replication-associated protein DQ458791 (modified) - C1 CDS translation - C1 CDS KM510191 (modified) - Replication associated protein translation - Replication associated protein RT862231 (modified) - Replication associated protein translation - Replication associated protein - Replication associated protein - Replication - Replication associated protein - Replication - Repl
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KM573763 (modified) - ORF2 CDS translation - ORF2
CDS
KX388494.1 - hypothetical protein CDS translation 3 -
hypothetical protein CDS interval 1 translation
Replication associated protein
KF133815 - hypothetical protein CDS interval 1 translation
Replication associated protein
KF133815 - hypothetical protein CDS interval 1 translation
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KF133815 - hypothetical protein CDS interval 1 translation
- hypothetical protein CDS
JF713716 (modified) - Replication associated protein
translation - hypothetical protein CDS
KT149401 (modified) - hypothetical protein CDS
translation - Replication associated protein
JX185415 (modified) - Replication associated protein
translation associated protein
KF133823 - hypothetical protein CDS translation -
hypothetical protein CDS
KT528506 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
translation - 
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          K1862231 (modified) - Heplication associated protein translation - Replication associated protein KR528569 (modified) - Replication associated protein interval 1 translation - Replication associated protein KP153501 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein JF755410 (modified) - ORF 3 (frame 2) translation - ORF 3 (frame 2)
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                 (frame 2)
AF027217 (modified) - Replication associated protein
   (trame 2)
AF027217 (modified) - Replication associated protein translation - Replication associated protein AF027217 (modified) - Replication associated protein translation - Replication associated protein AF071879 (modified) - Replication associated protein KM386645 (modified) - TrAP translation - Replication-associated protein KM386645 (modified) - TrAP translation - TrAP JQ837277 (modified) - Replication associated protein X84735 (modified) - Replication-associated protein translation - Replication-associated protein translation - Replication-associated protein translation - Replication-associated protein translation - Replication associated protein translation
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FJ665630 (modified) - Movement protein translation -
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       KT945163 (modified) - Replication associated protein translation - Replication associated protein KT862256 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein interval 1 translation - Replication associated protein KM874359 (modified) - Replication associated protein translation - Replication associated protein KM821768 (modified) - Replication associated protein KM821768 (modified) - Replication associated protein ranslation - Replication associated protein ranslation - Replication associated protein ranslation - Replication associated protein
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Replication associated protein 
KF133814 - hypothetical protein CDS translation - 
hypothetical protein CDS 
MF327576.1 - Capsid protein translation - Replication
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EU921828 (modified) - Capsid protein translation - V2
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KT149397 (modified) - hypothetical protein CDS
translation - hypothetical protein CDS
KT149401 (modified) - Replication associated protein
translation - hypothetical protein CDS
KT149401 (modified) - Replication associated protein
translation - Replication associated protein
KU043429.1 - Replication associated protein
KU043429.1 - Replication associated protein translation -
          translation - Replication associated protein KX388497.1 - Capsid protein translation - hypothetical
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KC441518 (modified) - Replication associated protein
translation - Replication associated protein
GU456685 (modified) - Capsid protein translation -
          protein CDS
KP153414 (modified) - Replication associated protein
protein CDS
KP153414 (modified) - Replication associated protein translation - Replication associated protein KP153415 (modified) - Replication associated protein KP153416 (modified) - Replication associated protein KP153416 (modified) - Replication associated protein KP153416 (modified) - Replication associated protein translation - Replication associated protein KM598408 (modified) - Replication associated protein translation - Replication associated protein KP153474 (modified) - Replication associated protein KP153474 (modified) - Replication associated protein KP153475 (modified) - Replication associated protein KF133818 - Replication associated protein KF133818 - Replication associated protein KF133818 - Replication associated protein LC133373 - Replication associated protein LC133373 - Replication associated protein LC133373 - Replication associated protein KR16894 - Ren translation - TrAP KK618694 - Ren translation - Ren
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KT388086 (modified) - Capsid protein translation -
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KC108902 (modified) - Capsid protein translation -
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Replication associated protein 
KF133825 - Replication associated protein translation - 
Replication associated protein 
FJ959080 (modified) - hypothetical protein CDS translation - 
hypothetical protein CDS 
U49907 (modified) - Capsid protein translation - V2 CDS 
MG846356.1 - Replication associated protein translation - 
Replication associated protein
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KF738883 (modified) - Capsid protein translation -
Replication associated protein
KU043416.1 - Replication associated protein translation -
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Replication associated protein 
KU043449.1 - Replication associated protein translation - 
Replication associated protein 
KJ547648 (modified) - Replication associated protein 
translation - Replication associated protein
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KM821769 (modified) - Replication associated protein translation - Replication associated protein KT732828 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KF138807 - hypothetical protein CDS translation - hypothetical protein CDS translation - hypothetical protein CDS KX388514.1 - Replication associated protein translation - Replication associated protein KX388515.1 - Replication associated protein KR528564 (modified) - Replication associated protein kR528403 (modified) - Replication associated protein translation - Replication - Replication associated protein translation - Replication - Replication associated protein translation - Replication associated protein interval 1 translation
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KM821760 (modified) - Replication associated protein
translation - Replication associated protein
KJ433989 (modified) - Replication associated protein
translation - Replication associated protein
KR902498 (modified) - hypothetical protein CDS
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translation 3 - hypothetical protein CDS
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translation 7 - hypothetical protein CDS
KP153402 (modified) - hypothetical protein CDS
KP153402 (modified) - Replication associated protein
translation - Replication associated protein
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KP153462 (modified) - Replication associated protein
translation - Replication associated protein
KT149403 (modified) - hypothetical protein CDS
translation - hypothetical protein CDS
MH545529.1 - Replication associated protein
KJ547650 (modified) - Replication associated protein
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KJ547650 (modified) - Replication associated protein
KH528547 (modified) - Replication associated protein
KH528547 (modified) - Replication associated protein
MH545518.1 - Replication associated protein interval 1 translation - Replication associated protein
MH545518.1 - Replication associated protein translation - Replication associated protein
MH545519.1 - Replication associated protein translation - Replication associated protein
KT32823 (modified) - Replication associated protein
KT32823 (modified) - Replication associated protein
KP153496 (modified) - Replication associated protein
KP153497 (modified) - Replication associated protein
translation - Replication associated protein
KT149412 (modified) - Replication associated protein
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KM874348 (modified) - Replication associated protein
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KM821764 (modified) - Replication associated protein translation - Replication associated protein
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Replication associated protein 
KT732832 (modified) - Replication associated protein 
translation - Replication associated protein 
KX388494.1 - hypothetical protein CDS translation 2 - 
hypothetical protein CDS 
JQ898333 (modified) - hypothetical protein CDS 
translation - hypothetical protein CDS 
KT862237 (modified) - Replication associated protein 
translation - Replication associated protein 
translation - Replication associated protein
        translation - nypothetical protein CDS
KX388496.1 - Replication associated protein translation -
Replication associated protein
JX185416 (modified) - Capsid protein translation -
Replication associated protein
JX185417 (modified) - Capsid protein translation -
Replication associated protein
KU043436.1 - unk translation - unk
KR704912 - hypothetical protein CDS translation -
hypothetical protein CDS
KR131749 (modified) - putative movement protein CDS
translation - ORF1 CDS
KR131749 (modified) - putative movement protein CDS
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KR131749 (modified) - Pupitative movement protein CDS
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KR100067 (modified) - Replication associated protein
translation - Replication associated protein
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KX388509.1 - Replication associated protein translation -
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KU043420.1 - Replication associated protein translation -
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KF133822 - Replication associated protein translation -
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KR131749 (modified) - ORF1 CDS translation - ORF1
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        KP153483 (modified) - Replication associated protein translation - Replication associated protein KP153484 (modified) - Replication associated protein translation - Replication associated protein KM874366 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein translation - Replication associated protein ranslation - Replication asso
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KP153443 (modified) - Replication associated protein
KP153444 (modified) - Replication associated protein
KP153444 (modified) - Replication associated protein
translation - Replication associated protein
KP153408 (modified) - Replication associated protein
translation - Replication associated protein
KT945165 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
KY487829.1 - Replication associated protein translation -
Replication associated protein
Nimo 14-357 (Modified) - Replication associated protein KM874368 (modified) - Replication associated protein KM874368 (modified) - Replication associated protein KM598395 (modified) - Replication associated protein KM598395 (modified) - Replication associated protein translation - Replication associated protein JF713716 (modified) - Replication associated protein JF713716 (modified) - Replication associated protein JF713716 (modified) - Replication associated protein KP005453 (modified) - Replication associated protein KP005453 (modified) - Replication associated protein KP005454 (modified) - Replication associated protein KM510191 (modified) - Nepthication associated protein KM510191 (modified) - Nepthical protein CDS translation - Neplication associated protein translation - Replication associated protein KP153390 (modified) - Replication associated protein KP153391 (modified) - Replication associated protein KP153392 (modified) - Replication associated protein KP153392 (modified) - Replication associated protein KP153393 (modified) - Replication associated protein KP153393 (modified) - Replication associated protein translation - Replication associated protein KP153457 (modified) - Replication associated protein translation - Replication associated protein KP153458 (modified) - Replication associated protein KP153458 (modified) - Replication asso
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KF133824 - Replication associated protein translation -
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KF133824 Replication associated protein translation -
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KM874305 (modified) - Replication associated protein
translation - Replication associated protein
KM874306 (modified) - Replication associated protein
translation - Replication associated protein
MF14545540.1 - Replication associated protein
MF18166.1 - hypothetical protein CDS translation -
hypothetical protein CDS
MF18166.1 - hypothetical protein CDS translation -
hypothetical protein CDS
MH545539.1 - Replication associated protein translation -
Replication associated protein
T732827 (modified) - Replication associated protein
MF1552520.1 - Replication associated protein translation -
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MH425569.1 - Replication associated protein translation -
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KT149411 (modified) - Replication associated protein
translation - Replication associated protein
JF713719 (modified) - Replication associated protein
translation - Replication associated protein
KM598398 (modified) - Replication associated protein
translation - Replication associated protein
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Replication associated protein
KP153503 (modified) - Replication associated protein
translation - Replication associated protein
KX388527.1 - hypothetical protein CDS translation 2 -
hypothetical protein CDS
KX388529.1 - hypothetical protein CDS translation -
hypothetical protein CDS
KU043403.1 - Replication associated protein translation -
Replication associated protein
                 translation - Replication associated protein
KM573767 (modified) - ORF2 CDS translation - ORF2
                         GU734126 (modified) - Capsid protein translation - V2
                         HQ443515 (modified) - Capsid protein translation - V2
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JF713716 (modified) - unknown CDS translation 3 -
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KU043422.1 - Replication associated protein translation -
Replication associated protein
KU043421.1 - Replication associated protein translation -
Replication associated protein
JF755402 (modified) - ORF 10 (frame 2) translation - ORF
10 (frame 2)
KT862257 (modified) - Replication associated protein
KM821752 (modified) - Replication associated protein
KM821752 (modified) - Replication associated protein
KP153397 (modified) - Replication associated protein
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translation - Replication associated protein
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KX388498.1 - Capsid protein translation - misc
KX388500.1 - Capsid protein translation - Ori
KX388500.1 - Capsid protein translation - Ori
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KX388501.1 - Capsid protein translation - Ori
KX388501.1 - Capsid protein translation - Ori
KX388501.1 - Capsid protein translation - Ori
KX388501.1 - Replication associated protein
interval 2 translation - Replication associated protein
KT149396 (modified) - Replication associated protein
translation - hypothetical protein CDS
KU043409.1 - Replication associated protein translation -
Hypothetical protein
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KU043409.1 - Replication associated protein translation -
Hypothetical protein
KU043409.1 - Replication associated protein translation -
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KU043409.1 - Replication associated protein translation -
Replication associated protein
KT149410 (modified) - Replication associated protein
translation - hypothetical protein CDS
KT149409 (modified) - Replication associated protein
translation - hypothetical protein CDS
AIF76278 - CDS
AIF76278 - Rep Protein
KM874332 (modified) - Capsid protein translation -
Replication associated protein
KM874333 (modified) - Capsid protein translation -
Replication associated protein
KM874334 (modified) - Capsid protein translation -
Replication associated protein
KM874335 (modified) - Capsid protein translation -
Replication associated protein
KM874335 (modified) - Replication associated protein
interval 1 translation - Replication associated protein
interval 1 translation - Replication associated protein
interval 1 translation - Stem loop
KT945165 (modified) - Replication associated protein
interval 1 translation - stem loop
APG55798 - CDS
APG55798 - Rep Protein
APG55798 - Wiral Rep
APG55798 - Viral Rep
MF118167.1 - hypothetical protein CDS translation -
misc
KX388505.1 - Replication associated protein translation -
misc
KX388505.1 - Replication associated protein translation -
misc
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JF755409 (modified) - ORF 5 (frame 3) translation - ORF 5
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KX388527.1 - hypothetical protein CDS translation -
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KM821766 (modified) - Replication associated protein translation - Replication associated protein KC248423 (modified) - Replication associated protein translation - Replication associated protein translation - Replication associated protein KM821766 (modified) - hypothetical protein CDS translation - hypothetical protein CDS
KM573773 (modified) - ORF2 CDS translation - ORF2 CDS
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MH545535.1 - Capsid protein translation - Replication
associated protein
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            Replication associated protein
KX388519.1 - Replication associated protein translation -
Replication associated protein
KX388520.1 - Replication associated protein translation -
         Replication associated protein MH616973.1 - Capsid protein translation - hypothetical
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KX388505.1 - Replication associated protein translation -
            protein CDS
KM573766 (modified) - ORF2 CDS translation - ORF2
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         CDS
KX388496.1 - hypothetical protein CDS translation -
hypothetical protein CDS
KP153446 (modified) - Replication associated protein
translation - Replication associated protein
MH545522.1 - Capsid protein translation - Replication
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    MHS45522.1 - Capsid protein translation - Replication associated protein (M510191) (modified) - Capsid protein translation - hypothetical protein CDS (M04413.1 - Replication associated protein translation - Replication associated protein KP153513 (modified) - Replication associated protein KP153514 (modified) - Replication associated protein KP153515 (modified) - Replication associated protein KP153515 (modified) - Replication associated protein translation - Replication - TrAP translation 
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KX388504.1 - Replication associated protein translation -
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KX388507.1 - Replication associated protein translation -
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MF118167.1 - hypothetical protein CDS translation - Ori
MF118167.1 - hypothetical protein CDS translation - Ori
KX388495.1 - Replication associated protein translation -
Replication associated protein
KX388504.1 - Replication associated protein translation -
REPLICATION - CONTROLLED - C
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KX388505.1 - Replication associated protein translation -
Replication associated protein
KX388507.1 - Replication associated protein translation -
            associated protein
X84735 (modified) - TrAP translation - TrAP
MG748715.1 - Capsid protein translation - hypothetical
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KX388495.1 - Replication associated protein translation -
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KX388507.1 - Replication associated protein translation -
         protein CDS
MG748717.1 - Capsid protein translation - hypothetical
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KF738880 (modified) - Replication associated protein 
interval 2 translation - Replication associated protein 
KT214386 (modified) - RepA CDS translation - 
Replication-associated protein interval 2
            protein CDS
MG748718.1 - Capsid protein translation - hypothetical
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KU203351 (modified) - ORF 7 (frame 2) translation - ORF
         protein CDS
MG748719.1 - Capsid protein translation - hypothetical
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KR134331 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134332 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134333 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134343 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134333 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134333 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134333 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134337 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134338 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134339 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134341 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134341 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134342 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134343 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134344 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134344 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134345 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134346 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134348 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134349 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134349 (modified) - Replication associated protein translation - viral protein RNase Z CDS
KR134349 (modified) - Replication associated protein translation - viral protein RNase Z CDS

     KT214373 (modified) - RepA CDS translation - Replication-associated protein interval 2 MH545530.1 - Replication associated protein interval 1 translation - Replication associated protein interval 1 translation - Stem loop MH545530.1 - Replication associated protein interval 1 translation - stem loop MH545530.1 - Replication associated protein interval 1 translation - Stem loop KF738878 (modified) - Replication associated protein interval 2 translation - Replication associated protein interval 2 translation - Replication associated protein translation - Stem loop
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YP_009126925 - Viral Rep
YP_009126925 - Viral Rep
YP_009115538 - Viral Rep
YP_009115538 - Viral Rep
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YP_009115538 - Viral Rep
AGA18286 - Viral Rep
KJ54786 (modified) - Replication associated protein
interval 2 translation - Replication associated protein
interval 2 translation - Replication associated protein
interval 2 translation - Replication associated protein
YP_009237541 - Viral Rep
YP_009237541 - Viral Rep
KY487837.1 - Replication associated protein translation -
Replication associated protein
AK084203 - Viral Rep
AK084203 - Viral Rep
YP_009170674 - Viral Rep
YP_009170674 - Viral Rep
ADY62649 - Viral Rep
ADY62649 - Viral Rep
AHB63242 - Viral Rep
AHB63242 - Viral Rep
YP_009126938 - Viral Rep
YP_009126938 - Viral Rep
AXH76879 - Viral Rep
AXH76879 - Viral Rep
AK176269 - Viral Rep
AK176269 - Viral Rep
AK176269 - Viral Rep
AK176381 - hypothetical protein CDS interval 2 translation
- hypothetical protein CDS interval 2 translation
- stem loop
KF133815 - hypothetical protein CDS interval 2 translation
     FJ95086 (modified) - Replication associated protein translation - stem loop FJ95086 (modified) - Replication associated protein translation - stem loop KM598411 (modified) - Replication associated protein interval 2 translation - Replication associated protein interval 2 KM821748 (modified) - Replacation associated protein interval 2 translation - Replication associated protein KR528558 (modified) - Replication associated protein interval 2 translation - contains nonanucleotide motif stem loop
               loop
KR528558 (modified) - Replication associated protein
interval 2 translation - Replication associated protein
KR528558 (modified) - Replication associated protein
interval 2 translation - contains nonanucleotide motif
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KF133815 - hypothetical protein CDS interval 2 translation stem loop
KF133815 - hypothetical protein CDS interval 2 translation hypothetical protein CDS
- hypothetical protein hypothetica

    stem loop
    KF133815 - hypothetical protein CDS interval 2 translation

                    YP_009237578 - other interval 1
YP_009237578 - other interval 1
YP_009237578 - other interval 1
     YP_00923/578 - other interval 1
YP_009237578 - other interval 1
YP_009237578 - other interval 1
WP_027090230 - other interval 1
JX094280 (modified) - Replication-associated protein interval 2 translation - Replication-associated protein KM598400 (modified) - Replication associated protein interval 2 translation - Replication protein translation - Replication associated protein AXH73061 - CDS
AXH73061 - TIP49
AXH73061 - TIP49
AXH73061 - TIP49
KJ437671 (modified) - RepA CDS translation - Replication protein translation - Replication protein protein translation - Replication protein translation - TIP49
KJ437671 (modified) - RepA CDS translation - Replication protein protein translation protein pr
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AXH73508 - Viral Rep
JQ920490 (modified) - Replication-associated protein
interval 2 translation - Replication-associated protein
AXH75487 - Viral Rep
AXH75487 - Viral Rep
AXH75487 - Viral Rep
AXH76667 - Viral Rep
AXH76667 - Viral Rep
AXH76667 - Viral Rep
AQU11728 - Viral Rep
AUI1728 - Viral Rep
AXH74936 - Viral Rep
AXH74936 - Viral Rep
AXH74936 - Viral Rep
AXH7393 - Viral Rep
AXH7393 - Viral Rep
AXH7393 - Viral Rep
AXH7393 - Viral Rep
AXH76040 - Viral Rep
AXH76285 - Viral Rep
AXH76287 - Viral Rep
AXH76847 - Viral Rep
AXH29847 - Viral Rep
AXH2985 - Viral Re
AXH73061 - TIP49
AXH73061 - TIP49
KJ437671 (modified) - RepA CDS translation - Replication-
associated protein interval 2
AQU11746 - CDS
AQU11746 - Viral Rep
AVITAL AVITA
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          MH617615.1 - Replication ass
Replication associated protein
AIF34798 - Viral Rep
AIF34798 - Viral Rep
AGA18393 - Viral Rep
AGA18393 - Viral Rep
AXH76451 - Viral Rep
AXH76451 - Viral Rep
YP_009226567 - Viral Rep
YP_009226567 - Viral Rep
ACMI147368 Viral Rep
     YP-009226567 - Viral Rep
AQU11736 - Viral Rep
AQU11736 - Viral Rep
KX388516.1 - Replication associated protein interval 2
translation - Replication associated protein
AGA18448 - Viral Rep
AGA18448 - Viral Rep
AQU11717 - Viral Rep
AQU11717 - Viral Rep
AQU11724 - Viral Rep
AQU11724 - Viral Rep
AQU11726 - Viral Rep
AXU176508 - Viral Rep
AXH76508 - Viral Rep
AXH76508 - Viral Rep
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YP_00923/586 - Viral Rep
AMH87735 - Viral Rep
AMH87735 - Viral Rep
AMH87735 - Viral Rep
AMH87735 - Viral Rep
AXH73382 - Viral Rep
AXH73382 - Viral Rep
KF133823 - hypothetical protein CDS translation 2 -
hypothetical protein CDS
ARE67375 - Viral Rep
ARE67375 - Viral Rep
NP_955176 - Viral Rep
NP_955176 - Viral Rep
NP_955176 - Viral Rep
AKR53286 - Viral Rep
AKR53286 - Viral Rep
AGA18388 - Viral Rep
AGA18388 - Viral Rep
YP_009126890 - Viral Rep
YP_009126890 - Viral Rep
AGA18473 - Viral Rep
AGA18473 - Viral Rep
               AXH76508 - Viral Rep
AXH76508 - Viral Rep
KM874350 (modified) - Replication associated protein
interval 2 translation - Replication associated protein
AIF34812 - Gemini AL1
AIF34812 - Gemini AL1
AIF36430 - Viral Rep
AQU11726 - Viral Rep
AQU11726 - Viral Rep
YP 009237541 - AAA
YP 009237541 - AAA
YP 009237541 - AAA
YP 009237541 - AAA
                         YP_009448204 - Viral Rep
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AGA18473 - Viral Rep
AGS47835 - Viral Rep
AGS47835 - Viral Rep
AGS47835 - Viral Rep
PP_009109670 - Viral Rep
PP_009109670 - Viral Rep
AQR57898 - Viral Rep
AQR57898 - Viral Rep
AGA18245 - Viral Rep
AGA18245 - Viral Rep
AGA18245 - Viral Rep
AGA18245 - Viral Rep
AQR57902 - Viral Rep
AQR57902 - Viral Rep
AQR57902 - Viral Rep
AXH73061 - Viral Rep
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WP_027090230 - AAA
WP_027090230 - P-loop NTPase
WP_027090230 - AAA
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AVV68420 - CDS
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WP_027090230 - AAA
WP_027090230 - AAA
WP_027090230 - P-loop NTPase
WP_027090230 - P-loop NTPase
AXH76632 - P-loop NTPase
AG8646357.1 - Replication associated protein interval 1 translation - Replication associated protein
ACE62799 - RNA helicase
ACE62799 - RNA helicase
AHB63242 - RNA helicase
ADY62649 - RNA helicase
ADY62649 - RNA helicase
ARE68406 - RNA helicase
ARE68406 - RNA helicase
ARE68406 - RNA helicase
YP_09109643 - CDS
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AVA17000 - start codon not determined CDS
AVA16996 - replicase-associated protein
AVA16996 - start codon not determined CDS
ATD53351 - QRF1 CDS
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KT869077.1 - Replication associated protein translation -
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Translation - RepA
Y00514 (modified) - Replication-associated protein interval
2 translation - Replication-associated protein
NP_619761 - Viral Rep
NP_619761 - Viral Rep
NP_619761 - Viral Rep
YP_009237578 - Viral Rep
YP_009237578 - Viral Rep
YP_009237578 - Viral Rep
YP_009237578 - Viral Rep
KF133827 - hypothetical protein CDS translation 3 - hypothetical protein CDS
AQU11729 - Viral Rep
AQU11729 - Viral Rep
AQU11729 - Viral Rep
AUG11729 - Viral R
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YP_009109643 - CDS
YP_009109643 - HTH
YP_009109643 - HTH
YP_009109643 - replication-associated protein
YP_009109643 - HTH
YP_009109643 - HTH
MH545229.1 - Replication associated protein interval 2 translation - Replication associated protein
YP_004376332 - Viral Rep
YP_004376332 - Viral Rep
YP_009163936 - Paplication associated protein interval 2 translation - Replication associated protein translation - Ori
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MH545531.1 - Replication associated protein interval 1
translation - Fleplication associated protein
MH545531.1 - Replication associated protein interval 1
translation - stem loop
MH545531.1 - Replication associated protein interval 1
translation - stem loop
AKO71368 - Viral Rep
AKO71368 - Viral Rep
ALA65733 - Na Helicase
AIF76278 - RNA helicase
AIF76278 - RNA helicase
YP_009126925 - RNA helicase
YP_009126925 - RNA helicase
YP_009126925 - RNA helicase
YP_009109643 - P-loop NTPase
YP_009109643 - P-loop NTPase
AXH74443 - RNA helicase
AU11749 - RNA helicase
YP_009126932 - P-loop NTPase
YP_009126939 - P-loop NTPase
AXH73332 - P-loop NTPase
YP_0091269893 - P-loop NTPase
AXH73382 - P-loop NTPase
AXH80902 - P-loop NTPase
AWB80902 - P-loop NTPase
AWB80902 - P-loop NTPase
AWB80902 - P-loop NTPase
AWB80902 - P-loop NTPase
AW16996 - RNA helicase
AVA16996 - RNA helicase
AVA16996 - RNA helicase
AVA16998 - RNA helicase
AVA16998 - RNA helicase
AVA16998 - RNA helicase
AVA17000 - RNA helicase
AVA17000 - RNA helicase
AVA17000 - RNA helicase
AVA17000 - RNA helicase
AVA17008 - Viral Rep
KF133815 - hypothetical protein CDS interval 2 translation
- ORF 5 (frame 2)
- P_003084282 - Viral Rep
AXH77564 - Viral Rep
AXH77564 - Viral Rep
AXH77564 - Viral Rep
AXH77599 - Viral Rep
AXH77597 - Viral Rep
AXH77597 - Viral Rep
AXH74683 - RNA helicase
- P_000185827 - Viral Rep
AXH74683 - RNA helicase
- P_000185827 - Viral Rep
AXH74683 - RNA helicase
- P_000185827 - Viral Rep
AXH74683 - RNA helicase
- P_00018583 - RNA helicase
- P_00018583 - RNA helicase
- P_00018587 - RNA helicase
- P_00018587 - RNA helicase
- P_00018587 - RNA helicase
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stem loop
ATY42470 - RNA helicase
ATY42470 - RNA helicase
AIL50149 - RNA helicase
AIL50149 - RNA helicase
  associated protein interval 2
KU043409.1 - Hypothetical protein translation - Replication associated protein MH545530.1 - Replication associated protein interval 2 translation - Replication associated protein interval 2 translation - Steplication associated protein interval 2 translation - Stem loop MH545530.1 - Replication associated protein interval 2 translation - stem loop MH545530.1 - Replication associated protein interval 2 translation - Protein associated protein interval 2 translation - Protein interval 2 translation - Replication associated protein AJD07493 - Viral Rep KB528544 (modified) - Replication associated protein and Viral Rep AQU11749 - Viral Rep HQ335087 (modified) - Replication associated protein interval 2 translation - Replication associated protein KX388495.1 - Replication associated protein translation - Replicati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     All 501149 - HNA nelicase
AVT56110 - RNA helicase
AVT56110 - RNA helicase
ADC79191 - P-loop NTPase
ADC79191 - P-loop NTPase
JF755404 (modified) - ORF 9 (frame 1) translation - ORF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (frame 3)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JF755405 (modified) - ORF 9 (frame 1) translation - ORF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (frame 3)
JF755406 (modified) - ORF 9 (frame 1) translation - ORF 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (frame 3)
JF755404 (modified) - ORF 8 (frame 3) translation - ORF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (frame 1)
JF755404 (modified) - ORF 9 (frame 1) translation - ORF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (frame 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JF755405 (modified) - ORF 8 (frame 3) translation - ORF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (frame 1)
JF755405 (modified) - ORF 9 (frame 1) translation - ORF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         JF755406 (modified) - ORF 8 (frame 3) translation - ORF 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              JF755406 (modified) - ORF 8 (frame 3) translation - ORF (frame 1)
JF755406 (modified) - ORF 9 (frame 1) translation - ORF (frame 1)
JF755406 (modified) - Replication associated protein interval 2 translation - Replication associated protein KP153481 (modified) - Replication associated protein interval 2 translation - Replication associated protein KP153482 (modified) - Replication associated protein interval 2 translation - Replication associated protein KP153482 (modified) - Replication associated protein interval 2 translation - Replication associated protein KP0909237578 - Walker B motif YP_009237578 - Walker B motif YP_009237578 - Walker B motif YP_009237578 - Polop NTPase APG55798 - Polop NTPase APG55798 - Polop NTPase APG55798 - Polop NTPase APZ87906 - RNA helicase APZ87906 - RNA pelication associated protein translation 2 - hypothetical protein CDS KT149412 (modified) - hypothetical protein CDS translation 3 - hypothetical protein CDS translation 4 - hypothetical protein CDS translati
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (frame 1)
JF755406 (modified) - ORF 9 (frame 1) translation - ORF 9
             Replication associated protein
           KX388495.1 - Replication associated protein translation -
           stem loop
KX388495.1 - Replication associated protein translation -
      KX38495.1 - Replication associated protein consisten loop
KM510191 (modified) - hypothetical protein CDS
translation 2 - hypothetical protein CDS
KM510191 (modified) - Replication associated protein
translation - hypothetical protein CDS
KM510191 (modified) - hypothetical protein CDS
translation 2 - Replication associated protein
MH539648.1 - Capsid protein translation - hypothetical
protein CDS
  translation 2 - Replication associated protein
MH539648.1 - Capsid protein translation - hypothetical
protein CDS
AQU11726 - P-loop NTPase
AQU11726 - P-loop NTPase
AVA16977 - RNA helicase
AVA16977 - RNA helicase
AVA16977 - RNA helicase
AV48420 - RNA helicase
AV68420 - RNA helicase
AV768420 - RNA helicase
AV768420 - RNA helicase
AV76405 - Viral Rep
AV76405 - Viral Rep
AV76405 - Viral Rep
AV76405 - Viral Rep
AV8910 - Polop NTPase
AR191749 (modified) - ORF1 CDS translation - putative
movement protein CDS
YP_009163920 - P-loop NTPase
ARD71303 - P-loop NTPase
ARD71303 - P-loop NTPase
ARD71303 - P-loop NTPase
ARD71303 - P-loop NTPase
AIF34818 - P-loop NTPase
AIF34818 - P-loop NTPase
AIF34818 - P-loop NTPase
AXH73508 - RNA helicase
AXH73508 - RNA helicase
AXH73508 - Viral Rep
AXG50856 - Viral Rep
AHC72271 - Viral Rep
AHC72271 - Viral Rep
YP_008997794 - Viral Rep
YP_008997794 - Viral Rep
AHC72167 - Viral Rep
AHC72167 - Viral Rep
AHC72167 - Viral Rep
AHC72167 - Viral Rep
AHC72177 - Viral Rep
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AGA18441 - P-loop NTPase
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AGA18441 - P-loop NTPase	AXH73290 - Viral Rep	YP_009109643 - CDS YP_009109643 - replication-associated protein
YP_009116906 - P-loop NTPase YP_009116906 - P-loop NTPase	AXH75585 - Viral Rep AXH75585 - Viral Rep AXH75585 - Viral Rep AGS47835 - P-loop NTPase AGS47835 - P-loop NTPase KU043420.1 - Replication associated protein translation -	YP_009109643 - Viral Rep
AGA18448 - RNA helicase	AGS47835 - P-loop NTPase	ARI44308 - Rep CDS
AGA18448 - RNA helicase AMH87735 - P-loop NTPase	KU043420 1 - Replication associated protein translation -	ARI44308 - replication-associated protein ARI44308 - Viral Rep
AMH87735 - P-loop NTPase AMH87735 - P-loop NTPase AMH87735 - P-loop NTPase YP_009126890 - RNA helicase	Hypothetical protein	VHH31400 - CDS
YP_009126890 - RNA helicase YP_009126890 - RNA helicase	AXH73792 - Viral Rep	AHH31400 - replication-associated protein AHH31400 - Viral Rep AEI 2971 - CDS
AXH76508 - RNA helicase	Hypothetical protein AXH73792 - Viral Rep AXH73792 - Viral Rep AIF34798 - P-loop NTPase AIF34798 - P-loop NTPase AIE122996 - P-loop NTPase AEL22996 - P-loop NTPase AEL22996 - P-loop NTPase YP_004778177 - P-loop NTPase YP_004778177 - P-loop NTPase AJD07493 - RNA helicase AJD07493 - RNA helicase	
AXH76508 - RNA helicase AXH76508 - RNA helicase AXH76508 - RNA helicase AXH73061 - RNA helicase AXH75091 - P-loop NTPase P-loop NTPase AXH75991 - P-loop NTPase AXH75991 - P-loop NTPase AXH75991 - P-loop NTPase AXH75998 - P-loop NTPase ACR57898 - P-loop NTPase ACR57898 - P-loop NTPase ARO38300 - P-loop NTPase ARO38300 - P-loop NTPase ARF76269 - P-loop NTPase AIF76269 - P-loop NTPase AIF76269 - P-loop NTPase YP_009126879 - P-loop NTPase YP_009116902 - P-loop NTPase YP_009116902 - P-loop NTPase YP_009116905 - P-loop NTPase YP_009109675 - P-loop NTPase AIF34802 - P-loop NTPase AIF34802 - P-loop NTPase	AIF34798 - P-loop NTPase	AEL28791 - replication-associated protein AEL28791 - Viral Rep
AXH73061 - HNA helicase	AEL22996 - P-loop NTPase	AEL28791 - Viral Hep VP 764455 - OREV1: putative replicase CDS
AXH73061 - RNA helicase	YP_004778177 - P-loop NTPase	YP_764455 - rep protein
YP_009163927 - P-loop NTPase	YP_004778177 - P-loop NTPase	YP_764455 - Viral Rep
YP_009163927 - P-loop NTPase AXH75991 - P-loop NTPase	AJD07493 - RNA helicase AJD07493 - RNA helicase	AEL26791 - VIRI Rep YP_764455 - ORFV1; putative replicase CDS YP_764455 - rep protein YP_764455 - Viral Rep AIF34812 - CDS AIF34812 - Gemini AL1 M AIF34812 - sellientia persociated protein
AXH75991 - P-loop NTPase	AJD07493 - RNA helicase AGA18388 - P-loop NTPase AGA18388 - P-loop NTPase AUW34331 - RNA helicase AUW34331 - RNA helicase AUW34331 - RNA helicase YP_009163936 - P-loop NTPase YP_009163936 - P-loop NTPase AGA18473 - P-loop NTPase AGA18473 - P-loop NTPase AJM89742 - P-loop NTPase AJM77740 - P-loop NTPase YP_009237516 - RNA helicase AXH77740 - P-loop NTPase AXH77740 - P-loop NTPase KF133827 - hypothetical protein CDS translation - hypothetical protein CDS KM874309 (modified) - Capsid protein translation -	
AQR57898 - P-loop NTPase	AGA18388 - P-loop NTPase	YP_009116902 - CDS YP_009116902 - replication-associated protein YP_009116902 - Viral Rep
ARO38300 - P-loop NTPase	AUW34331 - RNA helicase	YP_009116902 - replication-associated protein YP_009116902 - Viral Rep
ARO38300 - P-loop NTPase	YP_009163936 - P-loop NTPase	
AIF76269 - P-loop NTPage	YP_009163936 - P-loop NTPase	AEL28793 - replication-associated protein AEL28793 - Viral Rep
YP 009126879 - P-loop NTPase	AGA18473 - P-loop NTPase	AWW06057 - CDS
YP_009126879 - P-loop NTPase	AJM89742 - P-loop NTPase	AWW06057 - helicase Protein AWW06057 - Viral Rep
YP_009116902 - P-loop NTPase	AJM89742 - P-loop NTPase	AWW06057 - Viral Rep
YP 009109675 - P-loop NTPase	YP 009237516 - RNA helicase	AWWV06057 - Viral Rep ALE29827 - CDS ALE29827 - replication associated protein ALE29827 - Viral Rep AMD39533 - replication-associated protein AMD39533 - Viral Rep AWX29443 - CDS AWX29443 - CDS
YP_009109675 - P-loop NTPase	AXH77740 - P-loop NTPase	ALE29827 - Viral Rep
AIF34802 - P-loop NTPase AIF34802 - P-loop NTPase	AXH77740 - P-loop NTPase KE133827 - hypothetical protoin CDS translation -	AMD39533 - replication-associated protein
AJD20393 - Gemini AL1 M	hypothetical protein CDS	AMD39533 - V1 CD3 AMD39533 - Viral Rep
AJD20393 - Gemini AL1 M	KM874309 (modified) - Capsid protein translation -	AVX29443 - CDS
KY487844.1 - Replication associated protein translation - Replication associated protein	Replication associated protein KJ547632 (modified) - hypothetical protein CDS translation - hypothetical protein CDS	AVX29443 - replication initiator protein AVX29443 - Viral Rep
Replication associated protein YP_006281010 - P-loop NTPase YP_006281010 - P-loop NTPase KR528559 (modified) - Capsid protein translation - Replication associated protein	- hypothetical protein CDS	AXH74443 - CDS
YP_006281010 - P-loop NTPase	ADE69406 - CDS	AXH74443 - putative viral replication protein AXH74443 - Viral Rep
RH528559 (modified) - Capsid protein translation - Replication associated protein	ARE68406 - replication associated protein ARE68406 - Viral Rep ARE68406 - Viral Rep ARE68406 - Viral Rep ARE68406 - Viral Rep	AXH74443 - Viral Hep ΔGΔ18441 - CDS
AVH76405 - RNA helicase	ARE68406 - Viral Rep	AGA18441 - CDS AGA18441 - hypothetical protein AGA18441 - Viral Rep
AVH76405 - RNA helicase	ARE68406 - Viral Rep	AGA18441 - Viral Rep
AVH76405 - HNA helicase	MH61/615.1 - Capsid protein translation - CHAP domain	AIF76259 - CDS AIF76259 - Ben Protein
Hepilcation associated protein AVH76405 - RNA helicase AVH76405 - RNA helicase AVH76405 - RNA helicase AVH76879 - P-loop NTPase AXH76879 - P-loop NTPase ALE29847 - RNA helicase ALE29847 - RNA helicase	KU043420.1 - Hypothetical protein translation 2 -	AIF76259 - CDS AIF76259 - Rep Protein AIF76259 - Viral Rep
ALE29847 - RNA helicase	nypotnetical protein	YP 009163920 - CDS
YP_009001747 - RNA helicase	MH617135.1 - Replication associated protein translation - hypothetical protein CDS	YP_009163920 - putative spliced replication initiation protein
VP 000001747 - RNA halicasa	MH617135.1 - Replication associated protein translation -	VP_009163920 - Viral Rep
AQU11773 - P-loop NTPase	Replication associated protein JF713716 (modified) - Replication associated protein	AIF34802 - CDS
AQU11773 - P-loop NTPase AQU11773 - P-loop NTPase YP 009021245 - RNA helicase YP 009021245 - RNA helicase	translation - unknown CDS	AIF34802 - CDS AIF34802 - Viral Rep
YP_009021245 - RNA helicase	AXH74140 - RNA helicase AXH74140 - RNA helicase	AIF76277 - CDS AIF76277 - Rep Protein AIF76277 - Viral Rep KF738877 (modified) - Replication associated protein
AXH/8100 - BNA helicase	AXH74140 - RNA helicase AIF76278 - CDS	AIF76277 - Rep Protein
AXH78100 - RNA helicase AQU11776 - P-loop NTPase AQU11776 - P-loop NTPase	AIF76278 - Rep Protein	KF738877 (modified) - Replication associated protein
AQU11776 - P-loop NTPase	AIF76278 - Rep Protein AIF76278 - Viral Rep	interval 2 translation - Replication associated protein
KT214386 (modified) - V2 CDS translation - V3 CDS	AIF76278 - Viral Rep AIF76278 - Viral Rep	YP_009126898 - CDS VP_009126898 - replication-accordated protein
AXH75780 - Viral Rep AXH75780 - Viral Rep KP005454 (modified) - Capsid protein translation -	BAP81877 - RNA helicase BAP81877 - RNA helicase	interval 2 translation - Replication associated protein YP_009126898 - CDS YP_009126898 - replication-associated protein YP_099126898 - Viral Rep AGA18265 - CDS AGA18265 - Viral Rep AJX11626 - Rep CDS AJX11626 - Rep CDS AJX11626 - Viral Rep AJX1321 - replication-associated protein
KP005454 (modified) - Capsid protein translation -	BAP81877 - RNA helicase	AGA18265 - CDS
hypothetical protein CDS KP005454 (modified) - hypothetical protein CDS	YP_009109660 - P-loop NTPase YP_009109660 - P-loop NTPase JX908740 (modified) - Capsid protein translation -	AGA18265 - hypothetical protein AGA18265 - Viral Ren
translation - hypothetical protein CDS	JX908740 (modified) - Capsid protein translation -	AIX11626 - Rep CDS
translation - hypothetical protein CDS KP005453 (modified) - Capsid protein translation -	Replication associated protein	AIX11626 - replicase Protein
hypothetical protein CDS KP005453 (modified) - hypothetical protein CDS	AJD07478 - RNA helicase AJD07478 - RNA helicase	AIX11626 - VIral Hep AUW34331 - Rep CDS
translation - hypothetical protein CDS	AXH75674 - P-loop NTPase	AUW34331 - replication-associated protein
AIF34818 - Viral Rep AIF34818 - Viral Rep	ASJ07476 - NIA Helicase AXH75674 - P-loop NTPase AXH75674 - P-loop NTPase YP_009109670 - P-loop NTPase YP_009109670 - P-loop NTPase	AUW34331 - replication-associated protein AUW34331 - Viral Rep YP_009109675 - CDS
KM510189 (modified) - hypothetical protein CDS	YP 009109670 - P-loop NTPase YP 009109670 - P-loop NTPase	YP 009109675 - CDS YP 009109675 - replication-associated protein
translation - hypothetical protein CDS	KF133814 - Replication associated protein interval 2	YP_009109675 - replication-associated protein YP_009109675 - Viral Rep
KM510190 (modified) - hypothetical protein CDS	translation - Replication associated protein	AGG39817 - CDS
translation - hypothetical protein CDS KM510189 (modified) - Capsid protein translation -	AIF76259 - RNA helicase AIF76259 - RNA helicase	AGG39817 - replication-associated protein AGG39817 - Viral Rep
hypothetical protein CDS	KF133828 - Capsid protein translation - hypothetical	AJM89742 - CDS AJM89742 - replication associated protein AJM89742 - Viral Rep WP_027090230 - other interval 2
KM510189 (modified) - hypothetical protein CDS translation - hypothetical protein CDS	protein CDS	AJM89742 - replication associated protein
KM510190 (modified) - Capsid protein translation -	AMD39533 - AAA 16	WP 027090230 - other interval 2
hypothetical protein CDS	AMD39533 - AAA 16 AMD39533 - AAA 16 AMD39533 - AAA 16 YP_764455 - AAA 16 YP_764455 - AAA 16 KT732825 (modified) - Replication associated protein interval 2 translation - Replication associated protein	
KM510190 (modified) - hypothetical protein CDS translation - hypothetical protein CDS	KT732825 (modified) - Replication associated protein	YP 009237578 - Walker B motif
AIX11626 - RNA helicase AIX11626 - RNA helicase	interval 2 translation - Replication associated protein	AAK73450 - C1/C2 CDS
AIX11626 - RNA helicase	YP_009237530 - CDS	1P_00923/3/6 - Unter Interval 2 WP_027090230 - Walker B motif YP_009237578 - Walker B motif AAK73450 - C1/C2 CDS AAK73450 - Gemini AL1 M AAK73450 - Rep Protein
AOV86234 - RNA helicase AOV86234 - RNA helicase AOV86234 - RNA helicase	Interval 2 translation - Heplication associated protein YP_009237530 - CDS YP_009237530 - viral Rep YP_009237530 - Viral Rep YP_009237530 - Viral Rep YP_009237530 - Viral Rep ALE29635 - CDS	YP 009126879 - CDS
AOV86234 - RNA helicase	YP_009237530 - Viral Rep	VD 000100070 replication associated protein
KJ547647 (modified) - hypothetical protein CDS translation - hypothetical protein CDS	YP_009237530 - Viral Rep	TP_009126879 - replication-associated protein YP_009126879 - Viral Rep YP_009142778 - Gemini AL1 YP_009142778 - putative replication protein YP_009142778 - rep CDS YP_009237504 - CDS
KJ547647 (modified) - Replication associated protein	ALE29635 - replication associated protein ALE29635 - Viral Rep	YP 009142778 - putative replication protein
translation - hypothetical protein CDS	ALE29635 - Viral Rep	YP_009142778 - rep CDS
KJ547647 (modified) - hypothetical protein CDS translation - Replication associated protein	ALE29635 - Viral Rep	YP_009237504 - CDS VP_009237504 - Gamini AL1
KT149400 (modified) - Replication associated protein	ALE29035 - Viral Rep AGA19549 - Gemini AL1 AGA19549 - Gemini AL1	YP_009237504 - Gemini AL1 YP_009237504 - replication associated protein
translation - hypothetical protein CDS	AGA19549 - Gemini AL1	AIF34803 - CDS
KJ547631 (modified) - hypothetical protein CDS translation - Replication associated protein	FJ959083 (modified) - Replication associated protein interval 2 translation - Replication associated protein	AIF34803 - Gemini AL1 AIF34803 - replication-associated protein
APG55798 - CDS	AXH76632 - CDS	YP 009237555 - CDS
APG55798 - CDS APG55798 - GluZincin APG55798 - Rep Protein	AXH76632 - helicase Protein	YP_009237555 - Gemini AL1 YP_009237555 - replication associated protein
AFG55798 - Rep Frotein APG55798 - GluZincin	AAП/0032 - VIIAI нер AXH76632 - Viral Rep	r ⊏_∪∪9∠37⊃⊃⊃ - replication associated protein AXH77952 - Gemini AL1
APG55798 - GluZincin APG55798 - GluZincin	AXH76632 - Viral Rep	AXH77952 - Gemini AL1 AXH77952 - Geminivirus Rep catalytic domain CDS
YP_009237586 - P-loop NTPase YP_009237586 - P-loop NTPase	YP_009458619 - RNA helicase	AXH77952 - Rep catalytic domain protein
	ANT/0602 - VIRI Help YP_009458619 - RNA helicase YP_009458619 - RNA helicase YP_009021245 - CDS YP_009021245 - CDS YP_009021245 - Viral Rep	AXH74707 - GDS AXH74707 - Gemini AL1
AXH73393 - RNA helicase AXH76040 - RNA helicase	YP_009021245 - replication-associated protein	AXH74707 - Rep Protein
AXH76040 - RNA helicase AXH76040 - RNA helicase	YP_009021245 - Viral Rep AOV86234 - CDS	AAK/3450 - C1/C2 CDS AAK/3450 - Gemini AL1
KT862236 (modified) - Capsid protein translation -	AOV86234 - putative rep protein	AXH7/952 - Geminivirus Hep catalytic domain CDS AXH7/952 - Rep catalytic domain protein AXH74707 - CDS AXH74707 - Gemini AL1 AXH74707 - Rep Protein AAK73450 - CDS AK73450 - Gemini AL1 AAK73450 - Rep Protein AXH74700 - CDS
Replication associated protein	AOV86234 - CDS AOV86234 - putative rep protein AOV86234 - Viral Rep AXH73056 - CDS	AXH78100 - CDS
AVX29443 - RNA helicase AVX29443 - RNA helicase	AXH73056 - CDS AXH73056 - putative viral replication protein	AXH78100 - CDS AXH78100 - helicase Protein AXH78100 - Viral Rep
AXH73290 - Viral Rep	AXH73056 - Viral Rep	AJD07498 - CDS

A IDO7400 replication associated protein	ACA10400 humathatical avatain	AVIJ70700 D Jaar NTDaar
AJD07498 - replication-associated protein AJD07498 - Viral Rep	AGA18409 - hypothetical protein AGA18409 - P-loop NTPase	AXH73792 - P-loop NTPase AXH73792 - putative viral replication protein
AXH73056 - CDS	NP 955176 - CDS	YP 009237564 - CDS
AXH73056 - P-loop NTPase AXH73056 - putative viral replication protein	NP_955176 - Rep-like protein ARE67375 - RNA helicase	YP_009237564 - P-loop NTPase YP_009237564 - replication associated protein
ARE68406 - CDS	NP 955176 - RNA helicase	ALE29688 - CDS
ARE68406 - replication associated protein YP_009237554 - Gemini AL1	ARE67375 - SWPV2-147 CDS ARE67375 - SWPV2-ORF147 Protein	ALE29688 - replication associated protein ALE29688 - RNA helicase
YP 009237554 - CDS	AFI 28813 - CDS	YP_009001742 - CDS YP_009001742 - P-loop NTPase YP_009001742 - replication-associated protein
YP_009237554 - Gemini AL1 M YP_009237554 - replication associated protein	AEL28813 - replication-associated protein AEL28813 - RNA helicase	YP_009001742 - P-loop NTPase VP_009001742 - replication-associated protein
AMD39533 - AAA 16	AFH02742 - CDS	YP 009448204 - rep CDS
AMD39533 - AAA 16 AMD39533 - replication-associated protein	AFH02742 - P-loop NTPase	YP_009448204 - RNA helicase YP_009448204 - rolling-circle replication protein
AMD39533 - replication-associated protein AMD39533 - replication-associated protein	AFH02742 - putative Rep Protein AQU11733 - CDS	AGA18286 - CDS
AMD39533 - RNA helicase	AQU11733 - P-loop NTPase AQU11733 - replication protein AIF76255 - CDS	AGA18286 - hypothetical protein AGA18286 - P-loop NTPase AQR57898 - Rep CDS
AMD39533 - RNA helicase AMD39533 - V1 CDS	AQU11733 - replication protein AIF76255 - CDS	AGA18286 - P-loop NTPase AOR57898 - Ben CDS
AMD39533 - V1 CDS	AIF76255 - P-loop NTPase AIF76255 - Rep Protein AXH77121 - CDS	ΔΩR57898 - Ren CDS
AMD39533 - Walker A/P-loop AMD39533 - Walker A/P-loop	AIF76255 - Rep Protein	AQR57898 - replicase Protein AQR57898 - replicase Protein
AMD39533 - Walker A/P-loop AMD39533 - Walker A/P-loop AMD39533 - Walker A/P-loop	AXH77121 - helicase Protein	AFI 22996 - CDS
AMD39533 - Walker A/P-loop	AXH77121 - RNA helicase AJP36430 - CDS	AEL22996 - CDS
Alfr6255 - CDS AlF76255 - Ploop NTPase AlF76255 - Rep Protein AlF76255 - Walker A/P-loop	A.IP36430 - replication-associated protein	YP_004778177 - CDS YP_004778177 - CDS
AIF76255 - Rep Protein	AJP36430 - RNA helicase	AFI 22006 - Rep protein
AIF /6255 - Walker A/P-loop YP 009237578 - CDS	YP_009126938 - CDS YP_009126938 - P-loop NTPase	AEL22996 - Rep protein YP_004778177 - Rep protein YP_004778177 - Rep protein
71 10233 7578 - CDS YP_009237578 - replication associated protein YP_009237578 - RNA helicase YP_009237578 - Walker A motif	YP_009126938 - P-loop NTPase YP_009126938 - replication-associated protein AXG50856 - M-Rep CDS	YP_004778177 - Rep protein
YP_009237578 - RNA helicase	AXG50856 - M-Rep CDS AXG50856 - master replication initiator protein	AGA18286 - CDS AGA18286 - CDS
WP_027090230 - AAA WP_027090230 - ATP-dependent Clp protease ATP-	AXG50856 - P-loop NTPase	AGA19296 - hypothetical protein
WP_027090230 - ATP-dependent Clp protease ATP-	NP_619761 - putative CDS NP_619761 - RNA helicase	AGA18286 - hypothetical protein
binding subunit Protein WP_027090230 - P-loop NTPase	NP 619761 - virus replication-associated protein	AGA18286 - hypothetical protein JX904185 (modified) - Replication associated protein translation - Replication associated protein
WP_027090230 - P-loop NTPase WP_027090230 - Walker A motif	AKO71368 - CDS	YP 009163936 - CDS
WP_027090230 - Walker A motif AGA19549 - C1 CDS	ALA65733 - CDS AKO71368 - Replication associated protein	YP_009163936 - CDS YP_009163936 - putative replication initiation protein
AGA19549 - Gemini AL1 M	ALA65733 - replication initiation protein	YP_009163936 - putative replication initiation protein
AGA19549 - Rep Protein AKR53286 - CDS	ALA65733 - CDS AKO71368 - Replication associated protein ALA65733 - replication initiation protein AKO71368 - RNA helicase ALA65733 - RNA helicase AHC72271 - M-Rep CDS	JX904077 (modified) - Replication associated protein translation - Replication associated protein
AKR53286 - P-loop NTPase	ALAGO700 - NIVA Helicase AHC72271 - M-Rep CDS	APA62649 - CDS
AKR53286 - viral replicase protein	AHC72271 - master replication initiator protein AHC72271 - RNA helicase	APA62649 - CDS
KX388507.1 - Replication associated protein translation - Replication associated protein	VP_009007704 - M-Pop_CDS	APA62649 - putative replication protein APA62649 - putative replication protein
KX388507.1 - Replication associated protein translation -	YP_008997794 - Marter CDS YP_008997794 - master replication initiator protein YP_008997794 - RNA helicase AHC72177 - M-Rep CDS	AGA18409 - CDS
stem loop JX559621 (modified) - hypothetical protein CDS translation	YP_008997794 - RNA helicase	AGA18409 - CDS
2 - hypothetical protein CDS	AHC72177 - master replication initiator protein	AGA18409 - hypothetical protein AGA18409 - hypothetical protein
JX559622 (modified) - hypothetical protein CDS translation 2 - hypothetical protein CDS	AHC72177 - RNA helicase AHC72167 - M-Rep CDS	JX904473 (modified) - Replication associated protein translation - Replication associated protein
JX559621 (modified) - hypothetical protein CDS translation	AHC72167 - master replication initiator protein	KT149398 (modified) - hypothetical protein CDS
2 - stem loop	AHC72167 - master replication initiator protein AHC72167 - P-loop NTPase CBK25810 - rep CDS	translation by nothetical protein CDC
JX559622 (modified) - hypothetical protein CDS translation 2 - stem loop	CBK25810 - replication association protein	AlF76259 - CDS AlF76259 - CDS AlF76259 - CDS AlF76259 - Rep Protein AlF76259 - Rep Protein
AJD20393 - CDS	CBK25810 - replication association protein CBK25810 - RNA helicase	AIF76259 - Rep Protein
AJD20393 - Gemini AL1 AJD20393 - replication associated protein	ATY70087 - Rep CDS ATY70087 - replication initiator protein	
AGG39817 - CDS	ATY70087 - RNA helicase ADC79191 - P-loop NTPase ADC79191 - CDS	ALE29847 - replication associated protein
AGG39817 - P-loop NTPase AGG39817 - replication-associated protein	ADC79191 - P-loop NTPase	ALE29847 - CDS ALE29847 - replication associated protein
WP 027090230 - ATP-dependent Clp protease ATP-	ADC79191 - RNA helicase	YP 009001747 - CDS
binding subunit Protein WP_027090230 - P-loop NTPase	ADC79191 - RNA helicase ADC79191 - V1 Protein AGA18391 - CDS	YP_009001747 - CDS
WP_027090230 - P-100p NTPase WP_027090230 - AAA	AGA18391 - CDS AGA18391 - hypothetical protein	YP_009001747 - replication-associated protein YP_009001747 - replication-associated protein
WP_027090230 - AAA WP_027090230 - ATP-dependent Clp protease ATP-	AGA18391 - hypothetical protein AGA18391 - P-loop NTPase AWR89667 - CDS	KY348843.1 - Replication associated protein translation -
binding subunit Protein WP 027090230 - P-loop NTPase	AWR89667 - CDS AWR89667 - P-loop NTPase	Replication associated protein KP153359 (modified) - Replication associated protein
WP_027090230 - P-loop NTPase WP_027090230 - Walker B motif AQR57902 - TIP49	AWR89667 - P-loop NTPase AWR89667 - replication initiation protein AQU11717 - CDS	Replication associated protein KP153359 (modified) - Replication associated protein translation - Replication associated protein AVX29443 - CDS
AQR57902 - TIP49 AQR57902 - Rep CDS	AQU11717 - CDS AQU11724 - CDS	AVX29443 - CDS AVX29443 - CDS
AQR57902 - replicase Protein	AQU11717 - P-loop NTPase	AVX29443 - replication initiator protein
AQR57902 - RNA helicase AXH73290 - CDS	AQU11724 - P-loop NTPase AQU11717 - replication protein	AVX29443 - replication initiator protein ALE29635 - CDS
		ALE29635 - CDS
AXH73290 - P-loop NTPase AXH73290 - putative viral replication protein	AQU11724 - replication protein AEL87784 - CDS	ALE29635 - replication associated protein
YP_009237541 - AAA YP_009237541 - CDS	AEL87784 - P-loop NTPase AEL87784 - putative replication-associated protein	ALE29635 - replication associated protein AUT13975 - CDS
YP_009237541 - P-loop NTPase YP_009237541 - replication associated protein	YP 009109660 - replication-associated protein	AUT13975 - CDS
YP_009237541 - replication associated protein AUF34964 - CDS	YP_009109660 - start codon not determined CDS KX388528.1 - hypothetical protein CDS translation -	AUT13975 - replication protein AUT13975 - replication protein
AUF34964 - P-loop NTPase	hypothetical protein CDS	AIF34802 - CDS
AUF34964 - putative replication-associated protein YP_009126892 - CDS	KX388528.1 - hypothetical protein CDS translation - stem loop	AIF34802 - CDS AIF34802 - replication-associated protein
YP 009126892 - replication-associated protein	KY487868.1 - Replication associated protein translation -	AIF34802 - replication-associated protein
YP_009126892 - RNA helicase AQU11729 - CDS	Replication associated protein YP_009237571 - CDS	AXL65935 - CDS AXL65935 - CDS
AQU11729 - P-loop NTPase	YP 009237571 - P-loon NTPase	AXL65935 - replication-associated protein
AQU11729 - replication protein AHH31400 - CDS	YP_009237571 - replication associated protein AWR89667 - CDS	AXL65935 - replication-associated protein AUM61711 - Rep CDS
ARI44308 - Rep CDS	AWR89667 - replication initiation protein	AUM61711 - Rep CDS
AHH31400 - replication-associated protein	KY487956.1 - Replication associated protein translation -	AUM61711 - Rep Protein
ARI44308 - replication-associated protein AHH31400 - RNA helicase	Replication associated protein YP_003084282 - CDS	AUM61711 - Rep Protein AXH76667 - CDS
ARI44308 - RNA helicase	YP_003084282 - putative Rep protein YP_003084282 - RNA helicase	AXH76667 - CDS
AMD39533 - AAA 16 AMD39533 - replication-associated protein	YP_003084282 - RNA helicase AOV86234 - CDS	AXH76667 - putative viral replication protein AXH76667 - putative viral replication protein
AMD39533 - RNA helicase AMD39533 - V1 CDS	AOV86234 - DNA pol3 delta2	JX904469 (modified) - Replication associated protein
AMD39533 - V1 CDS AUT13975 - CDS	AOV86234 - putative rep protein AIW81537 - ORF1 CDS	translation - Replication associated protein AQU11726 - CDS
AUT13975 - replication protein	AIW81537 - replicase protein	AQU11726 - CDS
AUT13975 - RNA helicase YP_009170674 - rep CDS	AIW81537 - RNA helicase AQU11726 - P-loop NTPase	AQU11726 - replication protein
YP_009170674 - replicase Protein	AOI 111726 - CDS	AQU11726 - replication protein BAP81877 - Rep CDS
YP_009170674 - replicase Protein YP_009170674 - RNA helicase	AQ011720 - OD0	
YP_009237578 - CDS YP_009237578 - replication associated protein YP_009237578 - RNA helicase	AQUI1726 - P-loop NTPase	BAP81877 - Rep CDS
replication decodiated protein	AQU11726 - P-loop NTPase AQU11726 - replication protein AGA18265 - CDS	BAP81877 - Rep CDS BAP81877 - rolling circle replication initiator protein
YP_009237578 - RNA helicase	AQU11726 - P-loop NTPase AQU11726 - replication protein AGA18265 - CDS	BAP81877 - Rep CDS BAP81877 - rolling circle replication initiator protein BAP81877 - rolling circle replication initiator protein ALE29688 - CDS
YP 764455 - AAA 16	AQU11726 - P-loop NTPase AQU11726 - replication protein AGA18265 - CDS AGA18265 - P-loop NTPase	BAP81877 - Rep CDS BAP81877 - rolling circle replication initiator protein BAP81877 - rolling circle replication initiator protein ALE29688 - CDS ALE29688 - CDS
YP_764455 - AAA 16 YP_764455 - ORFV1; putative replicase CDS YP_764455 - rep protein	AQU11726 - P-loop NTPase AQU11726 - replication protein AGA18265 - CDS AGA18265 - hypothetical protein AGA18265 - P-loop NTPase AJD07498 - CDS AJD07498 - replication-associated protein	BAP81877 - Reip CDS BAP81877 - rolling circle replication initiator protein BAP81877 - rolling circle replication initiator protein ALE29688 - CDS ALE29688 - CDS ALE29688 - replication associated protein ALE29688 - replication associated protein
YP_764455 - AAA 16 YP 764455 - ORFV1: putative replicase CDS	AQU11726 - P-loop NTPase AQU11726 - replication protein AGA18265 - CDS AGA18265 - hypothetical protein AGA18265 - P-loop NTPase AJD07498 - CDS	BAP81877 - Rep CDS BAP81877 - rolling circle replication initiator protein BAP81877 - rolling circle replication initiator protein ALE29688 - CDS ALE29688 - CDS ALE29688 - replication associated protein

_009001742 - replication-associated protein _009001742 - replication-associated protein	AXL65907 - replication-associated protein JX904518 (modified) - Replication associated protein	AUM61904 - Rep Protein AUM61904 - Rep Protein
_009458619 - rep CDS	translation - Replication associated protein	KM573768 (modified) - Replication associated protein
_009458619 - rep CDS _009458619 - replication-association protein	AXH74936 - CDS AXH74936 - CDS	translation - Replication associated protein ETO15557 - CDS
_009458619 - replication-association protein	AXH74936 - putative viral replication protein	ETO15557 - CDS
_009237530 - CĎS _009237530 - CDS	AXH74936 - putative viral replication protein AUM62033 - Rep CDS	ETO15557 - rep Protein ETO15557 - rep Protein
_009237530 - replication associated protein	AUM62033 - Rep CDS	ETO15557 - rep Protein YP_009237504 - CDS
_009237530 - replication associated protein I44308 - Rep CDS	AUM62033 - Rep Protein AUM62033 - Rep Protein	YP_009237504 - CDS YP_009237504 - replication associated protein
144308 - Rep CDS	AXH74683 - CDS	YP_009237504 - replication associated protein
144308 - replication-associated protein	AXH74683 - CDS AXH74683 - putative viral replication protein	JX904523 (modified) - Replication associated protein translation - Replication associated protein
I44308 - replication-associated protein H31400 - CDS	AXH74683 - putative viral replication protein	AUM61656 - Rep CDS
H31400 - CDS H31400 - replication-associated protein	YP_009506293 - CDS YP_009506293 - CDS	AUM61656 - Rep CDS AUM61656 - Rep Protein
H31400 - replication-associated protein	YP_009506293 - Rep Protein	AUM61656 - Rep Protein
_009506303 - CDS _009506303 - CDS	YP_009506293 - Rep Protein YP 009047144 - CDS	AGA18391 - CDS
_009506303 - CD3 _009506303 - Rep protein	YP_009047144 - CDS YP_009047144 - CDS	AGA18391 - CDS AGA18391 - hypothetical protein
_009506303 - Rep protein	YP 009047144 - replication-associated protein	AGA18391 - hypothetical protein
R53286 - CDS R53286 - CDS	YP_009047144 - replication-associated protein KJ547653 (modified) - Replication associated protein	JX904427 (modified) - Replication associated protei translation - Replication associated protein
R53286 - viral replicase protein	translation - Replication associated protein	OHX42374 - CDS
R53286 - viral replicase protein C79191 - CDS	AOV86303 - CDS AOV86303 - CDS	ORX42374 - CDS ORX42374 - hypothetical protein
C79191 - CDS	AOV86303 - putative rep protein	ORX42374 - hypothetical protein
C79191 - V1 Protein C79191 - V1 Protein	AOV86303 - putative rep protein ARE67375 - SWPV2-147 CDS	AUM61793 - Rep CDS
V86234 - CDS	ARE67375 - SWPV2-147 CDS	AUM61793 - Rep CDS AUM61793 - Rep Protein
V86234 - CDS	ARE67375 - SWPV2-ORF147 Protein	AUM61793 - Rep Protein
V86234 - putative rep protein V86234 - putative rep protein	ARE67375 - SWPV2-ORF147 Protein NP_955176 - CDS	KU203355.1 - Replication associated protein transla Replication associated protein
V86234 - putative rep protein 084203 - CDS	NP_955176 - CDS	KU203354 1 - Replication associated protein transla
O84203 - CDS O84203 - replicase Protein	NP_955176 - Rep-like protein NP_955176 - Rep-like protein	neplication associated protein JX904394 (modified) - Replication associated protein
O84203 - replicase Protein	JF755411 (modified) - Replication associated protein	Replication associated protein JX904394 (modified) - Replication associated protei translation - Replication associated protein AQU11724 - CDS
Г56110 - CDS Г56110 - CDS	translation - Replication associated protein JF755412 (modified) - Replication associated protein	
Г56110 - replicase Protein	translation - Replication associated protein	AQU11724 - replication protein
Г56110 - replicase Protein 50149 - CDS	JF755413 (modified) - Replication associated protein translation - Replication associated protein	AQU11724 - replication protein AQU11724 - replication protein AQU11717 - CDS
50149 - CDS 50149 - CDS	JF755414 (modified) - Replication associated protein	AQU11717 - CDS
50149 - replicase Protein	translation - Replication associated protein	AQU11717 - replication protein
50149 - replicase Protein Y42470 - CDS	AQU11733 - CDS AQU11733 - CDS	AQU11717 - replication protein JF755407 (modified) - Replication associated protei
Y42470 - CDS	AQU11733 - replication protein	interval 1 translation - Replication associated protein
Y42470 - putative replication associated protein Y42470 - putative replication associated protein	AQU11733 - replication protein AXH76451 - CDS	KJ437671 (modified) - Movement protein translation Movement protein
241982 (modified) - Replication associated protein	AXH76451 - CDS	AJD07478 - CDS
nslation - Replication associated protein	AXH76451 - helicase Protein AXH76451 - helicase Protein	AJD07478 - CDS AJD07478 - replication-associated protein
241982 (modified) - Replication associated protein slation - Replication associated protein	JX904076 (modified) - Replication associated protein	AJD07478 - replication-associated protein AJD07478 - replication-associated protein
R86424 - CDS R86424 - CDS	translation - Replication associated protein AEI54346 - CDS	AFH02742 - CDS AFH02742 - CDS
R86424 - replicase Protein	AEI54346 - CDS	AFH02742 - putative Rep Protein AFH02742 - putative Rep Protein
R86424 - replicase Protein 34812 - CDS	AEI54346 - rep protein AEI54346 - rep protein	AFH02742 - putative Rep Protein AXH74140 - CDS
34812 - CDS	KP153430 (modified) - Replication associated protein	AXH74140 - CDS
34812 - replication-associated protein 34812 - replication-associated protein	translation - Replication associated protein KP153431 (modified) - Replication associated protein	AXH74140 - helicase Protein AXH74140 - helicase Protein
G50856 - M-Rep CDS	translation - Replication associated protein	YP_009021245 - CDS
G50856 - M-Rep CDS G50856 - master replication initiator protein	KP153432 (modified) - Replication associated protein translation - Replication associated protein	YP_009021245 - CDS
G50856 - master replication initiator protein	KP153433 (modified) - Replication associated protein	YP_009021245 - replication-associated protein YP_009021245 - replication-associated protein ARO38300 - Rep CDS
C72167 - M-Rep CDS	translation - Replication associated protein	ARO38300 - Rep CDS
C72167 - M-Rep CDS C72167 - master replication initiator protein	KP153429 (modified) - Replication associated protein translation - Replication associated protein AGA18265 - CDS	ARO38300 - Rep CDS ARO38300 - replicase Protein
C72167 - master replication initiator protein	AGA18265 - CDS	ARO38300 - replicase Protein
C72177 - M-Rep CĎS C72177 - M-Rep CDS	AGA18265 - CDS AGA18265 - hypothetical protein	AGA18473 - CDS AGA18473 - CDS
C72177 - master replication initiator protein	AGA18265 - hypothetical protein	AGA18473 - hypothetical protein
C72177 - master replication initiator protein 34818 - CDS	JX904144 (modified) - Replication associated protein translation - Replication associated protein	AGA18473 - hypothetical protein AUM61742 - Rep CDS
34818 - CDS	AUM61703 - Rep CDS	AUM61742 - Rep CDS
34818 - replication-associated protein 34818 - replication-associated protein	AUM61703 - Rep CDS AUM61703 - Rep Protein	AUM61742 - Rep Protein AUM61742 - Rep Protein
904605 (modified) - Replication associated protein	AUM61703 - Rep Protein	AQU11736 - CDS
slation - Replication associated protein 071368 - CDS	AVH76405 - CDS AVH76405 - CDS	AQU11736 - CDS AQU11736 - replication protein
O71368 - CDS	AVH76405 - putative Rep Protein	AQU11736 - replication protein
D71368 - Replication associated protein D71368 - Replication associated protein	AVH76405 - putative Rep Protein AIF34803 - CDS	AQU11746 - CDS AQU11746 - CDS
A65733 - CDS	AIF34803 - CDS	AQU11746 - replication protein
A65733 - CDS	AIF34803 - replication-associated protein	AQU11746 - replication protein
A65733 - replication initiation protein A65733 - replication initiation protein	AIF34803 - replication-associated protein YP_009448204 - rep CDS	AUM61928 - Rep CDS AUM61928 - Rep CDS
A18393 - CDS	YP_009448204 - rep CDS	AUM61928 - Rep Protein
A18393 - CDS A18393 - hypothetical protein	YP_009448204 - rolling-circle replication protein YP_009448204 - rolling-circle replication protein	AUM61928 - Rep Protein JX904548 (modified) - Replication associated protein
A18393 - hypothetical protein	AIF76255 - CDS	translation - Replication associated protein
04431 (modified) - Replication associated protein slation - Replication associated protein	AIF76255 - CDS AIF76255 - Rep Protein	MF327576.1 - Replication associated protein transla Replication associated protein
55404 (modified) - Replication associated protein	AIF76255 - Rep Protein AIF76255 - Rep Protein	AXH74443 - CDS
slation - Replication associated protein 55405 (modified) - Replication associated protein	AXH74707 - CDS AXH74707 - CDS	AXH74443 - CDS AXH74443 - putative viral replication protein
slation - Replication associated protein	AXH74707 - Rep Protein	AXH74443 - putative viral replication protein
'55406 (modified) - Replication associated protein	AXH74707 - Rep Protein	YP_009126892 - CDS
nslation - Replication associated protein A18441 - CDS	YP_009315918 - CDS YP_009315918 - CDS	YP_009126892 - CDS YP_009126892 - replication-associated protein
A18441 - CDS	YP_009315918 - Rep Protein	YP_009126892 - replication-associated protein
A18441 - hypothetical protein A18441 - hypothetical protein	YP_009315918 - Rep Protein AXQ66426 - CDS	AUW34331 - Rep CDS AUW34331 - Rep CDS
904562 (modified) - Replication associated protein	AXQ66426 - CDS	AUW34331 - replication-associated protein
nslation - Replication associated protein	AXQ66426 - putative viral replication protein	AUW34331 - replication-associated protein AGA18388 - CDS
K73450 - C1/C2 CDS K73450 - C1/C2 CDS	AXQ66426 - putative viral replication protein AXH75585 - CDS	AGA18388 - CDS
K73450 - Rep Protein	AXH75585 - CDS	AGA18388 - hypothetical protein
K73450 - Rep Protein L65907 - CDS	AXH75585 - putative viral replication protein AXH75585 - putative viral replication protein	AGA18388 - hypothetical protein JX904420 (modified) - Replication associated protein
L65907 - CDS	AUM61904 - Rep CDS AUM61904 - Rep CDS	translation - Replication associated protein
L65907 - replication-associated protein		

JX305998 (modified) - Replication associated protein	YP_009126930 - replication-associated protein	AQU11779 - replication protein
translation - hypothetical protein CDS	YP_009126930 - replication-associated protein JX904368 (modified) - Replication associated protein	JX904377 (modified) - Replication associated protein
JX305998 (modified) - Replication associated protein	JX904368 (modified) - Replication associated protein	translation - Replication associated protein
translation - Replication associated protein JQ023166 (modified) - Replication associated protein	translation - Replication associated protein AQU11728 - CDS	translation - Replication associated protein OWF45429 - CDS OWF45429 - CDS
translation - hypothetical protein CDS	AOU111700 CDC	OWF45429 - Master replication protein
JX305991 (modified) - Replication associated protein	AQU11728 - replication protein	OWF45429 - Master replication protein OWF45429 - Master replication protein AXH75487 - CDS
translation - hypothetical protein CDS	AQU11728 - replication protein AQU11728 - replication protein AXH76906 - CDS	AXH75487 - CDS
JX305992 (modified) - Replication associated protein	AXH76906 - CDS	AXH75487 - CDS AXH75487 - putative viral replication protein AXH75487 - putative viral replication protein AXL65927 - CDS
translation - hypothetical protein CDS	AXH76906 - CDS AXH76906 - putative replicase Protein	AXH/5487 - putative viral replication protein
JX305993 (modified) - Replication associated protein translation - hypothetical protein CDS	AXH76906 - putative replicase Protein	AXI 65927 - CDS
JX305994 (modified) - Replication associated protein	KU203356.1 - Replication associated protein translation -	AXL65927 - CDS AXL65927 - replication-associated protein AXL65927 - replication-associated protein AGA19549 - C1 CDS
translation - hypothetical protein CDS	Replication associated protein	AXL65927 - replication-associated protein
JX305995 (modified) - Replication associated protein	Replication associated protein KR902498 (modified) - Replication associated protein	AXL65927 - replication-associated protein
translation - hypothetical protein CDS	translation - Replication associated protein	AGA19549 - C1 CDS
JX305996 (modified) - Replication associated protein translation - hypothetical protein CDS	VP 000170674 - rep CDS	AGA19549 - C1 CDS AGA19549 - Rep Protein AGA19549 - Rep Protein
JX305997 (modified) - Replication associated protein	YP 009170674 - replicase Protein	AGA19549 - Rep Protein
translation - hypothetical protein CDS	P_009170674 - rep CDS YP_009170674 - rep CDS YP_009170674 - replicase Protein YP_009170674 - replicase Protein YP_009170674 - replicase Protein AMB43004 - CDS	YP_009109643 - CDS YP_009109643 - CDS
JX305992 (modified) - Replication associated protein	AMB43004 - CDS	YP_009109643 - CDS
translation - Replication associated protein		YP_009109643 - replication-associated protein
JQ023166 (modified) - Replication associated protein translation - Replication associated protein	AMB43004 - putative Rep protein AMB43004 - putative Rep protein YP_009126881 - CDS YP_009126881 - CDS	YP_009109643 - replication-associated protein YP_009109643 - replication-associated protein ATY70087 - Rep CDS ATY70087 - Rep CDS ATY70087 - replication initiator protein ATY70087 - replication initiator protein AXL65946 - CDS AXL65946 - CDS AXL65946 - CDS
JX305991 (modified) - Replication associated protein	YP 009126881 - CDS	ATY70087 - Rep CDS
translation - Replication associated protein	YP 009126881 - CDS	ATY70087 - replication initiator protein
JX305993 (modified) - Replication associated protein	YP_009126881 - replication-associated protein YP_009126881 - replication-associated protein MF32757.5.1 - Replication associated protein translation - Replication associated protein KM5737366 (modified) - Replication associated protein	ATY70087 - replication initiator protein
translation - Replication associated protein	YP_009126881 - replication-associated protein	AXL65946 - CDS
JX305994 (modified) - Replication associated protein	MF32/5/5.1 - Replication associated protein translation -	AXL65946 - CDS
translation - Replication associated protein JX305995 (modified) - Replication associated protein	KM573766 (modified) - Replication associated protein	AXL65946 - replication-associated protein AXL65946 - replication-associated protein ADY62649 - CDS
translation - Replication associated protein	translation - Replication associated protein	ADY62649 - CDS
JX305996 (modified) - Replication associated protein	GAC77844 - CDS GAC77844 - CDS	ADY62649 - CDS
translation - Replication associated protein	GAC77844 - CDS	ADY62649 - Rep Protein
JX305997 (modified) - Replication associated protein	GAC77844 - replication protein GAC77844 - replication protein AEL87784 - CDS	ADY62649 - Rep Protein AKO63006 - CDS
translation - Replication associated protein	AEI 87784 - CDS	
Italisation - religication associated protein AIF76255 - CDS AIF76255 - Geloop/lid AIF76255 - Rep Protein WP_095545523 - hypothetical protein WP_095545523 - hypothetical protein WP_095645638 - CDS	AEL87784 - CDS AEL87784 - CDS	AKO63006 - CDS AKO63006 - replication-associated protein AKO63006 - replication-associated protein ACE62799 - rep CDS ACE62799 - rep CDS ACE62799 - Rep Protein ACE62799 - Rep Protein ANH56850 - CDS ANH56850 - CDS
AIF76255 - Rep Protein	AEL87784 - putative replication-associated protein	AKO63006 - replication-associated protein
WP_095545523 - hypothetical protein	AEL87784 - putative replication-associated protein	ACE62799 - rep CDS
WP_095545523 - hypothetical protein	CBK25810 - rep CDS CBK25810 - rep CDS	ACE62799 - rep CDS
	CBK25810 - rep CDS	ACE62799 - Rep Protein
YP_009126938 - replication-associated protein YP_009126938 - CDS	CBK25810 - replication association protein	ANH56850 - CDS
YP 009126938 - replication-associated protein	CBK25810 - replication association protein YP_009237555 - CDS YP_009237555 - CDS	ANH56850 - CDS ANH56850 - rep protein ANH56850 - rep protein
YP_009126938 - replication-associated protein AUM61876 - Rep CDS	YP_009237555 - CDS	ANH56850 - rep protein
AUM61876 - Rep CDS	YP_009237555 - replication associated protein	ANH56850 - rep protein
AUM61876 - Rep Protein	YP_009237555 - replication associated protein	YP_009508846 - rep CDS
AUM61876 - Rep Protein PKM67799 - CDS	AUM62047 - Rep CDS	YP_009508846 - rep CD5 VP_009508846 - rep protein
PKM67799 - CDS	AUM62047 - Nep CD3 AUM62047 - Ren Protein	YP 009508846 - rep protein
PKM67799 - CDS PKM67799 - replication protein	YP_009237555 - CDS YP_009237555 - replication associated protein YP_009237555 - replication associated protein AUM62047 - Rep CDS AUM62047 - Rep CDS AUM62047 - Rep Protein AUM62047 - Rep Protein AUM62047 - Rep Protein AEL28793 - CDS	AJE25853 - Rep CDS
PKM67799 - replication protein	AEL28793 - CDS	AJE25853 - Rep CDS
JX904439 (modified) - Replication associated protein	AEL28793 - replication-associated protein	AJE25853 - Rep Protein
translation - Replication associated protein	AEL28793 - CDS	AJE25853 - Rep Protein
AXQ66129 - CDS AXQ66129 - CDS	AEL28793 - replication-associated protein YP_009109670 - CDS	AJE23058 - ren CDS
AXQ66129 - CDS AXQ66129 - putative viral replication protein	YP 009109670 - CDS	AJF23058 - rep protein
AXQ66129 - putative viral replication protein		AJF23058 - rep protein
YP_009126932 - CDS	YP_009109670 - replication-associated protein	AIF76277 - CDS
AXQ66129 - putative viral replication protein YP_009126932 - CDS YP_009126932 - CDS YP_009126932 - replication-associated protein YP_009126932 - replication-associated protein	YP_004376332 - CDS	AIF76277 - CDS
YP_009126932 - replication-associated protein	YP_004376332 - CDS VP_004376332 - putative replication protein	AIF/62// - Rep Protein
YP_009126932 - replication-associated protein OMJ25023 - CDS	YP 004376332 - putative replication protein	AIW81537 - ORF1 CDS
YP_009126932 - replication-associated protein OMJ25023 - CDS OMJ25023 - CDS	YP_004376332 - putative replication protein JX904250 (modified) - Replication associated protein	AIW81537 - ORF1 CDS AIW81537 - ORF1 CDS
YP_009126932 - replication-associated protein OMJ25023 - CDS OMJ25023 - CDS OMJ25023 - hypothetical protein	YP_009109670 - replication-associated protein YP_009109670 - replication-associated protein YP_004376332 - CDS YP_004376332 - DS YP_004376332 - putative replication protein YP_004376332 - putative replication protein JX904250 (modified) - Replication associated protein translation - Replication associated protein	AIW81537 - OŘF1 CDS AIW81537 - ORF1 CDS AIW81537 - replicase protein
YP_009126932 - replication-associated protein OMJ25023 - CDS OMJ25023 - tDS OMJ25023 - hypothetical protein OMJ25023 - hypothetical protein	JX904245 (modified) - Replication associated protein	AIW81537 - ORF1 CDS AIW81537 - ORF1 CDS AIW81537 - replicase protein AIW81537 - replicase protein
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YP_009163920 - putative spliced replication initiation	AQR57902 - replicase Protein	YP_008997794 - master replication initiator protein
protein	AXH73061 - CDS	YP_008997794 - master replication initiator protein
AMD39533 - replication-associated protein AMD39533 - replication-associated protein	AXH73061 - CDS AXH73061 - putative viral replication protein	YP_009126890 - CDS YP_009126890 - CDS
AMD39533 - V1 CDS AMD39533 - V1 CDS	AXH73061 - putative viral replication protein	YP_009126890 - replication-associated protein YP_009126890 - replication-associated protein
JX904107 (modified) - Replication associated protein	AXI173061 - putative viral replication protein AUM61773 - Rep CDS AUM61773 - Rep CDS AUM61773 - Rep Protein AUM61773 - Rep Protein AUM61773 - Rep Protein	AOV86255 - CDS
translation - Replication associated protein YP_009259728 - CDS	AUM61773 - Rep Protein	AOV86255 - CDS AOV86255 - putative rep protein
VP 009259728 - CDS		AOV86255 - putative rep protein
YP_009259728 - putative Rep protein YP_009259728 - putative Rep protein	AXH73290 - CDS AXH73290 - putative viral replication protein	AOV86255 - CDS AOV86255 - putative rep protein AOV86255 - putative rep protein AUM61787 - Rep CDS AUM61787 - Rep CDS AUM61787 - Rep Protein AUM61787 - Rep Protein AUM61787 - Rep Protein AUM61787 - Rep CDS
AUM62041 - Rep CDS AUM62041 - Rep CDS AUM62041 - Rep Protein	AXH73290 - putative viral replication protein AXH75836 - CDS	AUM61787 - Rep Protein
AUM62041 - Rep CDS AUM62041 - Rep Protein	AXH75836 - CDS	YP_009506291 - CDS
AUM62041 - Rep Protein YP_009142778 - putative replication protein	AXH75836 - replication-associated protein AXH75836 - replication-associated protein	
YP_009142778 - putative replication protein	KM573773 (modified) - Replication associated protein	YP_009506291 - Rep Protein YP_009506291 - Rep Protein
YP_009142778 - putative replication protein YP_009142778 - rep CDS YP_009142778 - rep CDS	translation - Replication associated protein APA62657 - CDS	AUM61801 - Rep CDS AUM61801 - Rep CDS
KM105952 (modified) - Replication associated protein	APA62657 - CDS	AUM61801 - Rep Protein
translation - Replication associated protein AXH75991 - CDS	APA62657 - putative replication protein APA62657 - putative replication protein YP_009116902 - CDS	AUM61801 - Rep Protein MF118169.1 - Replication associated protein translation -
AXH75991 - CDS AXH75991 - putative viral replication protein	YP_009116902 - CDS	Replication associated protein JF755408 (modified) - Replication associated protein
AXH75991 - putative viral replication protein	YP_009116902 - CDS YP_009116902 - replication-associated protein	translation - Replication associated protein
AXQ66530 - CDS AXQ66530 - CDS	YP_009116902 - replication-associated protein JF713717 (modified) - unknown CDS translation 3 -	AXQ65661 - CDS AXQ65661 - CDS
AXQ66530 - replication protein	unknown CDS	AXQ65661 - putative viral replication protein
AXQ66530 - replication protein EES99438 - CDS	AIF34798 - CDS AIF34798 - CDS	AXQ65661 - putative viral replication protein YP_009508165 - V2 CDS YP_009508165 - V2 CDS
EES99438 - CDS	AIF34798 - replication-associated protein	YP_009508165 - V2 CDS
EES99438 - Replicase-associated protein, putative EES99438 - Replicase-associated protein, putative	AIF34798 - replication-associated protein MF327573.1 - Replication associated protein translation -	YP_009508165 - V2 Protein YP_009508165 - V2 Protein
AUM61662 - Rep CDS AUM61662 - Rep CDS AUM61662 - Rep Protein AUM61662 - Rep Protein	Replication associated protein	KM573765 (modified) - Replication associated protein
AUM61662 - Rep CDS AUM61662 - Rep Protein	JX904344 (modified) - Replication associated protein translation - Replication associated protein	translation - Replication associated protein YP_009116906 - CDS
AUM61662 - Rep Protein	APA62647 - CDS	YP 009116906 - CDS
AGA18245 - CDS AGA18245 - CDS	APA62647 - CDS APA62647 - putative replication protein	YP_009116906 - replication-associated protein YP 009116906 - replication-associated protein
AGA18245 - hypothetical protein	APA62647 - putative replication protein APA62647 - putative replication protein AUM61894 - Rep CDS AUM61894 - Rep CDS AUM61894 - Rep CDS AUM61894 - Rep Protein AUM61894 - Rep Protein AUM61894 - Rep Protein	AXH73393 - CDS
AGA18245 - hypothetical protein JX904075 (modified) - Replication associated protein	AUM61894 - Rep CDS AUM61894 - Rep CDS	AXH73393 - CDS AXH73393 - putative viral replication protein
translation - Replication associated protein AUM61736 - Rep CDS	AUM61894 - Rep Protein	AXH73393 - putative viral replication protein AXH76040 - CDS
AUM61736 - Rep CDS	AUM61960 - Rep CDS	AXH76040 - CDS
AUM61736 - Rep Protein AUM61736 - Rep Protein	AUM61960 - Rep CDS AUM61960 - Rep CDS AUM61960 - Rep Protein	AXH76040 - putative viral replication protein AXH76040 - putative viral replication protein
AXH77952 - Geminivirus Rep catalytic domain CDS AXH77952 - Geminivirus Rep catalytic domain CDS	AUM61960 - Rep Protein	JX904401 (modified) - Replication associated protein
AXH77952 - Geminivirus Rep catalytic domain CDS	KU203352.1 - Replication associated protein translation - Replication associated protein	translation - Replication associated protein JX904192 (modified) - Replication associated protein
AXH77952 - Rep catalytic domain protein AXH77952 - Rep catalytic domain protein	JF755410 (modified) - Replication associated protein	translation - Replication associated protein MF118168.1 - Replication associated protein translation -
AUM61958 - Rep CDS AUM61958 - Rep CDS	translation - Replication associated protein APC94137 - putative replication-associated protein	MF118168.1 - Replication associated protein translation - Replication associated protein
AUM61958 - Rep Protein	APC94137 - putative replication-associated protein APC94137 - putative replication-associated protein APC94137 - similar to YP 009126890.1 CDS APC94137 - similar to YP 009126890.1 CDS	JX904412 (modified) - Replication associated protein
AUM61958 - Rep Protein MF118166.1 - Replication associated protein translation -	APC94137 - similar to YP 009126890.1 CDS APC94137 - similar to YP 009126890.1 CDS	translation - Replication associated protein AXH77580 - CDS
Replication associated protein	KIVI573776 (modified) - Replication associated protein	AXH77580 - CDS
AJD07498 - CDS AJD07498 - CDS	translation - Replication associated protein YP_009237578 - CDS	AXH77580 - replication protein AXH77580 - replication protein AXH77287 - CDS
AJD07498 - replication-associated protein	YP 009237578 - CDS	AXH77287 - CDS
AJD07498 - replication-associated protein AGS47835 - CDS	YP_009237578 - replication associated protein YP_009237578 - replication associated protein	AXH77287 - CDS AXH77287 - Rep Protein
AGS47835 - CDS AGS47835 - replication-associated protein	AEM05804 - CDS AEM05804 - CDS	AXH77287 - Rep Protein AXH78100 - CDS
AGS47835 - replication-associated protein	AEM05804 - REP Protein	AXH78100 - CDS
SCN47931 - Rep CDS SCN47931 - Rep CDS	AEM05804 - REP Protein JF755409 (modified) - Replication associated protein	AXH78100 - helicase Protein AXH78100 - helicase Protein
SCN47931 - Replication initiator protein	translation - Replication associated protein	JF755416 (modified) - Replication associated protein
SCN47931 - Replication initiator protein AIF76269 - CDS	AXL65944 - CDS AXL65944 - CDS	interval 1 translation - Replication associated protein JF755417 (modified) - Replication associated protein
AIF76269 - CDS	AXL65944 - replication-associated protein	interval 1 translation - Replication associated protein
AIF76269 - Rep Protein AIF76269 - Rep Protein	AXL65944 - replication-associated protein YP 009259737 - CDS	YP_009237571 - CDS YP_009237571 - CDS
AUM61856 - Rep CDS	YP 009259737 - CDS	YP 009237571 - replication associated protein
AUM61856 - Rep CDS AUM61856 - Rep Protein	YP_009259737 - putative Rep protein YP_009259737 - putative Rep protein GAC77783 - CDS	YP_009237571 - replication associated protein AXH75489 - CDS
AUM61856 - Rep Protein	GAC77783 - CDS	AXH75489 - CDS
KM573767 (modified) - Replication associated protein translation - Replication associated protein	GAC77783 - CD3 GAC77783 - replication protein	AXH75489 - replication-associated protein AXH75489 - replication-associated protein
JF755401 (modified) - Replication associated protein translation - Replication associated protein	GAC77783 - CDS GAC77783 - replication protein GAC777783 - replication protein AGA18448 - CDS	JX904395 (modified) - Replication associated protein translation - Replication associated protein
AXH76896 - CDS	AGA18448 - CDS	AQU11729 - CDS
AXH76896 - CDS AXH76896 - replication protein	AGA18448 - hypothetical protein AGA18448 - hypothetical protein	AQU11729 - replication protein AQU11729 - CDS
AXH76896 - replication protein	JX904581 (modified) - Replication associated protein	AQU11729 - replication protein
AXH73382 - CDS AXH73382 - CDS	translation - Replication associated protein YP 009126925 - CDS	AQU11743 - CDS AQU11743 - CDS
AXH73382 - putative viral replication protein	ranslation - Heplication associated protein YP_009126925 - CDS YP_009126925 - replication-associated protein YP_009126925 - replication-associated protein YP_009109675 - CDS YP_009109675 - CDS YP_009109675 - CDS	AQU11743 - replication protein
AVH/3382 - putative viral replication protein AUM61874 - Rep CDS	YP 009126925 - replication-associated protein	AQU11743 - replication protein AXH74669 - CDS
AUM61874 - Rep CDS	YP_009109675 - CDS	AXH74669 - CDS
AUM61874 - Rep Protein	YP_009109675 - replication-associated protein YP_009109675 - replication-associated protein YP_006281010 - CDS	AXH74669 - replication protein AXH74669 - replication protein YP_009115538 - CDS
AXH75674 - CDS AXH75674 - CDS	YP_009109675 - replication-associated protein	VP 000115538 - CDS
AXH75674 - Rep Protein	YP 006281010 - CDS	YP_009115538 - replication-associated protein
AXH76896 - CDS AXH76896 - replication protein AXH76896 - replication protein AXH76896 - replication protein AXH76896 - replication protein AXH73382 - CDS AXH73382 - Dutative viral replication protein AXH73382 - putative viral replication protein AUM61874 - Rep CDS AUM61874 - Rep CDS AUM61874 - Rep Protein AUM61874 - Rep Protein AXH75674 - CDS AXH75674 - CDS AXH75674 - Rep Protein AXH75674 - Rep Protein AXH75674 - Rep Protein AXH75674 - Rep Protein AJD07493 - CDS AJD07493 - CDS	YP_006281010 - putative viral replication protein YP_006281010 - putative viral replication protein	YP_009115538 - replication-associated protein YP_009115538 - replication-associated protein AXH77740 - CDS
AJD07493 - CDS	AXH75780 - CDS	
AJD07493 - replication-associated protein AJD07493 - replication-associated protein	AXH75780 - CDS AXH75780 - replication-associated protein	AXH///40 - putative viral replication protein AXH77740 - putative viral replication protein
APZ87906 - CDS	AXH75780 - replication-associated protein	AUM61811 - Rep CDS
APZ87906 - CDS APZ87906 - replication-associated protein	AXH73792 - CDS AXH73792 - CDS	AXH77740 - putative viral replication protein AXH77740 - putative viral replication protein AUM61811 - Rep CDS AUM61811 - Rep CDS AUM61811 - Rep Protein AUM61811 - Rep Protein AUM61811 - Rep Protein YP_009237516 - CDS
APZ87906 - replication-associated protein AJM89742 - CDS	AXH73792 - putative viral replication protein	AUM61811 - Rep Protein
AJINI09742 - CDS AJM89742 - CDS	AAHC72271 - M-Rep CDS	YP_009237516 - CDS YP_009237516 - CDS
AJM89742 - CDS AJM89742 - replication associated protein AJM89742 - replication associated protein AQR57902 - Rep CDS AQR57902 - Rep CDS	AXH75780 - replication-associated protein AXH75780 - replication-associated protein AXH73792 - CDS AXH73792 - CDS AXH73792 - putative viral replication protein AXH73792 - putative viral replication protein AXH73792 - putative viral replication protein AHC72271 - M-Rep CDS AHC72271 - M-Rep CDS AHC72271 - master replication initiator protein AHC72271 - master replication initiator protein YP 008997794 - M-Rep CDS YP 008997794 - M-Rep CDS	YP_009237516 - replication associated protein
AQR57902 - Rep CDS	AHC72271 - master replication initiator protein	AUM61707 - Rep CDS
AQR57902 - Rep CDS AQR57902 - replicase Protein	YP_008997794 - M-Rep CDS YP_008997794 - M-Rep CDS	YP_009237516 - CUS YP_009237516 - replication associated protein YP_009237516 - replication associated protein AUM61707 - Rep CDS AUM61707 - Rep CDS AUM61707 - Rep Protein
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AUM61707 - Rep Protein	JX559622 (modified) - hypothetical protein CDS translation	ADY62649 - Rep Protein
AUM61940 - Rep CDS AUM61940 - Rep CDS AUM61940 - Rep Protein AUM61940 - Rep Protein	2 - hypothetical protein CDS YP_009163927 - CDS	ADY62649 - Virál Rep AHB63242 - CDS AHB63242 - replication associated protein AHB63242 - Viral Rep YP_009126938 - CDS
AUM61940 - Rep Protein	YP 009163927 - CDS	AHB63242 - replication associated protein
AUM61940 - Rep Protein AJF23074 - rep CDS	YP_009163927 - putative replication initiation protein YP_009163927 - putative replication initiation protein JX904478 (modified) - Replication associated protein	YP 009126938 - CDS
AJF23074 - rep CDS AJF23074 - rep CDS	JX904478 (modified) - Replication associated protein	YP_009126938 - replication-associated protein
AJF23074 - rep protein AJF23074 - rep protein AJF23080 - rep CDS	translation - Replication associated protein AXH76508 - CDS AXH76508 - CDS	4P_009126938 - Virai Hep AXH76879 - CDS
AJF23080 - rep CDS	AXH76508 - CDS	AHB03242 - VIRI HEP YP_009126938 - CDS YP_009126938 - Viral Rep AXH76879 - CDS AXH76879 - putative viral replication protein AXH76879 - Viral Rep AXH76879 - Viral Rep AXH76879 - CDS
AJF23080 - rep CDS AJF23080 - rep protein	AXH76508 - helicase Protein AXH76508 - helicase Protein	
AJF23080 - rep protein AJF23080 - rep protein YP_009226567 - CDS YP_009226567 - CDS	AXH77564 - CDS AXH77564 - CDS	AIF76269 - Rep Protein AIF76269 - Viral Rep
YP_009226567 - CDS YP_009226567 - CDS	AXH77564 - CDS AXH77564 - putative viral replication protein	AIF /6269 - Viral Hep AXH77740 - CDS
YP_009226567 - replication-associated protein YP_009226567 - replication-associated protein	AXH77564 - putative viral replication protein AXH77564 - putative viral replication protein JX904416 (modified) - Replication associated protein	AXH77740 - CDS AXH77740 - putative viral replication protein AXH77740 - Viral Rep
YP_009226567 - replication-associated protein AUM61730 - Rep CDS	JX904416 (modified) - Replication associated protein translation - Replication associated protein	AXH///40 - Viral Hep AVA16977 - replicase-associated protein
AUM61730 - Rep CDS AUM61730 - Rep CDS AUM61730 - Rep Protein AUM61730 - Rep Protein AUM61730 - Rep Protein	translation - Replication associated protein YP_009051960 - CDS YP_009051960 - CDS	AVA16977 - replicase-associated protein AVA16977 - start codon not determined CDS AVA16977 - Viral Rep AVV68420 - CDS
AUM61730 - Rep Protein AUM61730 - Rep Protein	YP_009051960 - CDS YP_009051960 - replication-associated protein	AVA16977 - Viral Hep AVV68420 - CDS
AJD20393 - CDS	YP_009051960 - replication-associated protein YP_009051960 - replication-associated protein KJ206566 (modified) - Replication associated protein	AVV68420 - replication-associated protein
AJD20393 - CDS AJD20393 - replication associated protein		AVV68420 - Viral Rep AVA17000 - replicase-associated protein
AJD20393 - replication associated protein	YP_009237541 - CDS YP_009237541 - CDS	AVA17000 - replicase-associated protein AVA17000 - start codon not determined CDS
AJD20393 - replication associated protein JF755415 (modified) - Replication associated protein interval 1 translation - Replication associated protein	YP_009237541 - CDS YP_009237541 - replication associated protein	AVA17000 - Viral Rep AVA16996 - replicase-associated protein
AXQ65784 - CDS	YP_009237541 - replication associated protein YP_009237541 - replication associated protein WP_027090230 - other interval 3	AVA16996 - replicase-associated protein AVA16996 - start codon not determined CDS AVA16996 - Viral Rep
AXQ65784 - CDS AXQ65784 - replication associated protein	WP_027090230 - other interval 3 VP_009237578 - other interval 3	AVA16996 - Viral Rep ATD53351 - ORF1 CDS
AVACETOA realization apposinted protein	YP_009237578 - other interval 3 AIF76278 - CDS	ATD53351 - Rep Protein
AUM61795 - Rep CDS AUM61795 - Rep CDS AUM61795 - Rep Protein AUM61795 - Rep Protein	All 702.10 - LOS Alf 702.78 - Rep Protein YP_009237578 - Walker A motif YP_009237578 - Other interval 1 YP_009237578 - CDS	AVA16998 - replicase-associated protein
AUM61795 - Rep Protein	YP_009237578 - other interval 1	ATD53351 - Viral Rep
AUM61795 - Rep Protein	YP_009237578 - CDS	AVA16998 - Viral Rep
ARD71303 - putative replication initiator protein ARD71303 - putative replication initiator protein	YP_009237578 - replication associated protein YP_009237578 - RNA helicase	AWB80902 - replicase protein
ARD71303 - putative replication initiator protein ARD71303 - Paper CDS ARD71303 - Rep CDS AXH73056 - CDS		AWB80902 - Viral Rep
ARD/1303 - Rep CDS AXH73056 - CDS	WP_027090230 - other interval 1 WP_027090230 - P-loop NTPase	YP_008052687 - CDS YP_008052687 - Rep domain protein
AXH73056 - CDS	WP_027090230 - AAA WP_027090230 - ATP-dependent Clp protease ATP-	YP_008052687 - Viral Rep
AXH/3056 - putative viral replication protein AXH73056 - putative viral replication protein AXH73056 - putative viral replication protein AIX11626 - Rep CDS AIX11626 - Rep CDS AIX11626 - replicase Protein AIX11626 - replicase Protein APG55798 - CDS APG55798 - Rep Protein APG55798 - Rep Protein	WP_027090230 - ATP-dependent Clp protease ATP- binding subunit Protein	AVA16998 - replicase-associated protein AVA16999 - start codon not determined CDS ATD53351 - Viral Rep AVA16998 - Viral Rep AVA16998 - Viral Rep AWB80902 - Rep CDS AWB80902 - replicase protein AWB80902 - Viral Rep YP_008052687 - CDS YP_008052687 - Rep domain protein YP_008052687 - Rep domain protein YP_008052687 - Viral Rep ADC79191 - V1 Protein ADC79191 - V1 Protein ADC79191 - V1 Viral Rep YP_009021888 - CDS
AIX11626 - Rep CDS	binding subunit Protein WP_027090230 - P-loop NTPase YP_009237554 - CDS	ADC79191 - Viral Rep
AIX11626 - Rep CDS	YP_009237554 - CDS YP_009237554 - Gemini AL1	
AIX11626 - replicase Protein	YP_009237554 - replication associated protein	YP_009021888 - Viral Rep
APG55798 - CDS	WP 027090230 - AAA	AUT13975 - CDS
APG55798 - CDS APG55798 - Rep Protein	WP_027090230 - arginine finger WP_027090230 - ATP-dependent Clp protease ATP-	YP_009021888 - replication associated protein YP_009021888 - Viral Rep AUT13975 - CDS AUT13975 - replication protein AUT13975 - Viral Rep AIW81537 - ORF1 CDS ACE62799 - Rep CDS ACE62799 - Rep Protein AIW81537 - Viral Rep AIW81539 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305993 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305995 (modified) - hypothetical protein CDS AIW305996 (modified) - hypothetical protein CDS AIW305997 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305998 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305998 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305992 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305992 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305992 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS AIW305992 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS
	binding subunit Protein WP_027090230 - P-loop NTPase	AIW81537 - ORF1 CDS
AHB63242 - CDS AHB63242 - CDS	WP_027090230 - P-loop NTPase AIF34798 - CDS	ACE62799 - rep CDS ACE62799 - Rep Protein
AHB63242 - replication associated protein	AIF34798 - replication-associated protein AIF34798 - Viral Rep	AIW81537 - replicase protein
AHB63242 - replication associated protein	AIF34798 - Viral Rep	ACE62799 - Viral Rep
JX904561 (modified) - Replication associated protein translation - Replication associated protein	AGA18393 - CDS AGA18393 - hypothetical protein AGA18393 - Viral Rep	JX305991 (modified) - hypothetical protein CDS interval 2
AXH76632 - CDS AXH76632 - CDS AXH76632 - helicase Protein	AGA18393 - Viral Rep AXH76451 - CDS	translation - hypothetical protein CDS
AXH76632 - GDS AXH76632 - helicase Protein	AXH76451 - helicase Protein AXH76451 - Viral Rep	translation - hypothetical protein CDS interval 2
AXH76632 - helicase Protein	AXH76451 - Viral Rep	JX305994 (modified) - hypothetical protein CDS interval 2
JF755402 (modified) - Replication associated protein translation - Replication associated protein	YP_009226567 - CDS YP_009226567 - replication-associated protein	JX305995 (modified) - hypothetical protein CDS interval 2
translation - Replication associated protein JF755403 (modified) - Replication associated protein	YP_009226567 - replication-associated protein YP_009226567 - Viral Rep AQU11736 - CDS	translation - hypothetical protein CDS
translation - Replication associated protein KM573763 (modified) - Replication associated protein	AQU11736 - CDS AQU11736 - replication protein	JX305996 (modified) - hypothetical protein CDS interval 2 translation - hypothetical protein CDS
translation - Replication associated protein	AQU11736 - replication protein AQU11736 - Viral Rep	JX305997 (modified) - hypothetical protein CDS interval 2
KM573764 (modified) - Replication associated protein translation - Replication associated protein	AGA18448 - CDS	translation - hypothetical protein CDS
AOV86329 - CDS	AGA18448 - hypothetical protein AGA18448 - Viral Rep	translation - hypothetical protein CDS
AOV86329 - CDS	AQU11717 - CDS AQU11724 - CDS	JX305992 (modified) - hypothetical protein CDS interval 2
AOV86329 - putative rep protein AOV86329 - putative rep protein	AQU11724 - CDS AQU11717 - replication protein	JQ023166 (modified) - hypothetical protein CDS interval 2
AOV86329 - putative rep protein YP_003084282 - CDS	AQU11724 - replication protein	
YP_003084282 - CDS YP_003084282 - putative Rep protein	AQU11717 - Viral Rep AQU11724 - Viral Rep	AEL22996 - CDS YP 004778177 - CDS
TP_003084282 - putative Rep protein YP_003084282 - putative Rep protein YP_03084282 - putative Rep protein JX904312 (modified) - Replication associated protein translation - Replication associated protein	AQU11724 - Viral Rep AXH76508 - CDS	YP_004778177 - CDS AEL22996 - Rep protein YP_004778177 - Rep protein AEL22996 - Viral Rep
JX904312 (modified) - Replication associated protein translation - Replication associated protein	AXH76508 - helicase Protein AXH76508 - Viral Rep	YP_004778177 - Rep protein AEI 22996 - Viral Rep
AXH77906 - CDS AXH77906 - CDS	AIF34812 - CDS	YP_004778177 - Viral Rep AXH73508 - CDS
AXH77906 - CDS AXH77906 - replication protein	AIF34812 - Gemini AL1	AXH73508 - CDS AXH73508 - putative viral replication protein
AXH77906 - replication protein AXH77906 - replication protein AXH77907 - replication protein AXH74257 - CDS AXH74257 - CDS	AIF34812 - replication-associated protein AJP36430 - CDS	AXH73508 - putative viral replication protein AXH73508 - Viral Rep AXH75487 - CDS AXH75487 - putative viral replication protein AXH75487 - Viral Rep
AXH74257 - CDS	AJP36430 - replication-associated protein AJP36430 - viral Rep AQU11726 - CDS AQU11726 - replication protein AQU11726 - viral Rep	AXH75487 - CDS
AXH74257 - replication associated protein	AQU11726 - CDS	AXH75487 - Viral Rep
AXH74257 - replication associated protein AXH74257 - replication associated protein AWW06057 - CDS	AQU11726 - replication protein	AXH/bbb/ - CDS
ΔW/W06057 - CDS	YP 009237541 - AAA	AXH76667 - putative viral replication protein AXH76667 - Viral Rep
AWW06057 - helicase Protein AWW06057 - helicase Protein AQU11773 - CDS	YP_009237541 - AAA YP_009237541 - CDS YP_009237541 - replication associated protein YP_009448204 - rep CDS	AQU11728 - CDS AQU11728 - replication protein AQU11728 - Viral Rep AXH74936 - CDS
AVVV06057 - nelicase Protein AQU11773 - CDS	YP_009237541 - replication associated protein YP 009448204 - rep CDS	AQU11728 - replication protein AQU11728 - Viral Rep
AQU11773 - CDS	YP_009448204 - rolling-circle replication protein YP_009448204 - Viral Rep YP_009126925 - CDS	AXH74936 - CDS
AQU11773 - replication protein AQU11773 - replication protein AQU11776 - CDS	YP_009448204 - Viral Hep YP_009126925 - CDS	AXH74936 - putative viral replication protein AXH74936 - Viral Rep
AQU11776 - CDS	YP_009126925 - replication-associated protein	ARO38300 - Rep CDS
AOLI11776 - CDS	YP_009126925 - CDS YP_009126925 - replication-associated protein YP_009126925 - Viral Rep YP_009115538 - CDS YP_009115538 - replication-associated protein YP_009115538 - Viral Rep AGA18286 - CDS AGA18286 - CDS	AXH74936 - CDS AXH74936 - putative viral replication protein AXH74936 - Viral Rep ARO38300 - Rep CDS ARO38300 - treplicase Protein ARO38300 - Viral Rep YP_009116906 - CDS YP_009116906 - viral Rep AXH73939 - CDS AXH76040 - CDS AXH73033 - putative viral replication protein
AQU11776 - replication protein AQU11776 - replication protein AXH74332 - CDS AXH74332 - CDS	YP_009115538 - replication-associated protein	YP_009116906 - CDS
AXH74332 - CDS	YP_009115538 - Viral Rep	YP_009116906 - replication-associated protein
AXH74332 - replication-associated protein	AGA18286 - hypothetical protein	AXH73393 - CDS
AXH74332 - replication-associated protein	AGA18286 - hypothetical protein AGA18286 - Viral Rep	AXH76040 - CDS
AUM61906 - Rep CDS	AGA18286 - Viral Hep YP_009237541 - CDS YP_009237541 - replication associated protein YP_009237541 - Viral Rep AK084203 - CDS	AXH73393 - putative viral replication protein AXH76040 - putative viral replication protein AXH73933 - Viral Rep AXH76040 - Viral Rep
AUM61906 - Rep Protein	YP_009237541 - Viral Rep	AXH73393 - Viral Rep
AXH74332 - cDIS AXH74332 - replication-associated protein AXH74332 - replication-associated protein AUM61906 - Rep CDS AUM61906 - Rep CDS AUM61906 - Rep Protein AUM61906 - Rep Protein YP 009237586 - CDS YP 009237586 - CDS	AKO84203 - CDS AKO84203 - replicase Protein	AXH76040 - Viral Rep AIE76255 - CDS
YP_009237586 - CDS	AKO84203 - replicase Protein AKO84203 - Viral Rep	AIF76255 - Rep Protein
YP_009237586 - replication associated protein	YP_009170674 - rep CDS	AIF76255 - CDS AIF76255 - Rep Protein AIF76255 - Viral Rep YP_009237516 - CDS
YP_009237586 - replication associated protein YP_009237586 - replication associated protein JX559621 (modified) - hypothetical protein CDS translation	YP_009170674 - rep CDS YP_009170674 - replicase Protein YP_009170674 - Viral Rep	YP_009237516 - CDS YP_009237516 - replication associated protein YP_009237516 - Viral Rep
2 - hypothetical protein CDS	ADY62649 - CDS	YP_009237516 - Viral Rep

ALE29847 - CDS	AHC72167 - M-Rep CDS AHC72167 - master replication initiator protein AHC72167 - Viral Rep AHC72177 - M-Rep CDS AHC72177 - M-Rep CDS AHC72177 - Viral Rep WP 027090230 - P-loop NTPase WP 027090230 - P-loop NTPase WP 027090230 - AAA WP 027090230 - AAP-dependent Clp protease ATP-binding subunit Protein WP 027090230 - APA-dependent Clp protease ATP-binding subunit Protein WP 027090230 - AAA WP 027090230 - AAP-dependent Clp protease ATP-binding subunit Protein WP 027090230 - P-loop NTPase WP 027090230 - ATP-dependent Clp protease ATP-binding subunit Protein WP 027090230 - ATP-dependent Clp protease ATP-binding subunit Protein WP 027090230 - P-loop NTPase AXH76632 - CDS AXH76632 - Polop NTPase ACE62799 - Rep Protein AXH76632 - Polop NTPase ACE62799 - Rep Protein ACE62799 - Rep Protein ACE62799 - RNA helicase AHB63242 - replication associated protein ANB63242 - RNA helicase AN62649 - CDS ADY62649 - Rep Protein ADY62649 - Rep Protein ADY62649 - RNA helicase ARE68406 - CDS ARE68406 - replication associated protein ARE68406 - RNA helicase	AIF76278 - Rep Protein
VP 000001747 - CDS	AHC72167 - master replication initiator protein	AIF76278 - Rep Protein AIF76278 - RNA helicase
ALE29847 - replication associated protein YP_009001747 - replication-associated protein ALE29847 - Viral Rep YP_009001747 - Viral Rep VP_009027564 CDS	AHC72167 - VIral Hep AHC72177 - M-Rep CDS	YP_009126925 - CDS YP_009126925 - replication-associated protein
ALE29847 - Viral Rep YP 009001747 - Viral Rep	AHC72177 - master replication initiator protein	YP_009126925 - RNA helicase YP_009109643 - CDS
7P_009001747 - Vital resp. 7P_009237564 - CDS 7P_009237564 - replication associated protein 7P_009237564 - Viral Rep AJD07478 - CDS AJD07478 - replication associated protein	WP_027090230 - P-loop NTPase	YP_009109643 - P-loop NTPase
YP_009237564 - replication associated protein YP_009237564 - Viral Rep	WP_027090230 - P-loop NTPase WP_027090230 - AAA	YP_009109643 - replication-associated protein AXH74443 - CDS
AJD07478 - CDS	WP_027090230 - ATP-dependent Clp protease ATP-	AXH74443 - putative viral replication protein
AJD07478 - Viral Rep	WP_027090230 - P-loop NTPase	AQU11749 - CDS
ALE29688 - CDS VP_009001742 - CDS	WP_027090230 - AAA WP_027090230 - ATP-dependent Cln protesse ATP-	AQU11749 - replication protein
ALE29688 - replication associated protein	binding subunit Protein	YP_009126932 - CDS
ALE29688 - Viral Rep	WP_027090230 - P-loop NTPase AXH76632 - CDS	YP_009126932 - P-loop NTPase YP 009126932 - replication-associated protein
YP_009001742 - Viral Rep	AXH76632 - helicase Protein	AXH73382 - CDS
YP_009237586 - CDS YP_009237586 - replication associated protein	ACE62799 - rep CDS	AXH73382 - P-loop N1 Pase AXH73382 - putative viral replication protein
YP_009237586 - Viral Rep AMH87735 - CDS	ACE62799 - Rep Protein ACE62799 - RNA helicase	YP_009126898 - CDS YP_009126898 - P-loop NTPase
AMH87735 - replication-associated protein	AHB63242 - CDS	YP_009126898 - replication-associated protein
AMH87735 - Viral Hep AXH73382 - CDS	AHB63242 - replication associated protein AHB63242 - RNA helicase	AWB80902 - P-loop NTPase AWB80902 - Rep CDS
AXH73382 - putative viral replication protein	ADY62649 - CDS	AWB80902 - replicase protein
ARE67375 - SWPV2-147 CDS	ADY62649 - RNA helicase	ATD53351 - ORFT CDS ATD53351 - Rep Protein
ARE67375 - SWPV2-ORF147 Protein	ARE68406 - CDS	AVA16996 - replicase-associated protein
NP_955176 - CDS	ARE68406 - RNA helicase	AVA17000 - replicase-associated protein
NP_955176 - Rep-like protein	YP_004376332 - CDS YP_004376332 - putative replication protein	ATD53351 - RNA helicase
YP_009237564 - Viral Rep AJD07478 - CDS AJD07478 - replication-associated protein AJD07478 - Viral Rep ALE29688 - CDS YP_009001742 - CDS ALE29688 - replication associated protein YP_009001742 - replication-associated protein YP_009001742 - replication-associated protein ALE29688 - Viral Rep YP_009237586 - CDS YP_009237586 - CDS YP_009237586 - CDS YP_009237586 - Viral Rep YP_009237586 - Viral Rep AMH87735 - CDS AMH87735 - Viral Rep AMH87735 - Viral Rep AXH73382 - CDS AXH73382 - CDS AXH73382 - Viral Rep ARE67375 - SWPV2-147 CDS ARE67375 - SWPV2-147 CDS ARE67375 - Viral Rep ARE67375 - Viral Rep NP_955176 - CDS NP_955176 - Rep-like protein NP_955176 - Viral Rep AKR53286 - CDS AKR53286 - Viral Rep AKR53288 - Viral Rep AKR53286 - Viral Rep AKR53288 - Viral Rep	AHE68406 - CDS ARE68406 - replication associated protein ARE68406 - RNA helicase YP 004376332 - CDS YP 004376332 - putative replication protein YP 004376332 - Viral Rep YP 009163936 - CDS YP 009163936 - CDS YP 009163936 - Viral Rep ATY42470 - putative replication initiation protein ATY42470 - putative replication associated protein	AIF76278 - Rep Protein AIF76278 - RNA helicase YP 009126925 - CDS YP 009126925 - CDS YP 009126925 - RNA helicase YP 009109625 - RNA helicase YP 009109643 - CDS YP 009109643 - CDS YP 009109643 - Polop NTPase YP 009109643 - replication-associated protein AXH74443 - CDS AXH74443 - DIA putative viral replication protein AXH74443 - RNA helicase AQU11749 - CDS AQU11749 - replication protein AQU11749 - RNA helicase YP 009126932 - Polop NTPase YP 009126932 - Polop NTPase YP 009126932 - replication-associated protein AXH73382 - CDS AXH73382 - Polop NTPase AXH73381 - Rep Protein AWB80902 - Rep CDS AWB80902 - Rep CDS AWB80902 - Rep CDS AWB80902 - Rep CDS AVB80902 - Rep CDS AVB80903 - Rep CDS AVB80903 - Rep CDS AVB80903 - Rep CDS AVB8090 - Rep CDS
AKR53286 - Viral Rep AKR53286 - viral replicase protein	YP_009163936 - CDS YP_009163936 - putative replication initiation protein	AVA16998 - RNA helicase AVA16998 - RNA helicase AVA16996 - start codon not determined CDS AVA16998 - start codon not determined CDS AVA16998 - start codon not determined CDS AVA17000 - start codon not determined CDS YP_004376332 - CDS YP_004376332 - CDS YP_004376332 - RNA helicase ATY70087 - Rep CDS ATY70087 - Repication initiator protein ATY70087 - repication initiator protein ATY70087 - Viral Rep YP_003084282 - CDS YP_003084282 - DS YP_003084282 - DS YP_003084282 - Putative Rep protein YP_003084282 - Viral Rep AXH77564 - CDS AXH77564 - CDS AXH77564 - Putative viral replication protein AXH77564 - Putative viral replication protein CBK25810 - repicication association protein CBK25810 - Viral Rep AQU11776 - CDS AQU11776 - Viral Rep AQU11776 - Viral Rep AQU11773 - Viral Rep AQU11773 - replication protein AQU11773 - Viral Rep AGI14346 - CDS AGI14346 - CDS AGA18409 - CDS AGA18409 - CDS AGA18409 - Viral Rep AXH75991 - Dutative viral replication protein AXH75991 - Viral Rep YP_009163927 - Viral Rep AEM05804 - CDS AEM05804 - CDS AEM05804 - REP Protein AEM05804 - Viral Rep
AGA18388 - CDS	YP_009163936 - Viral Rep	AVA16998 - start codon not determined CDS
AKR53286 - Viral Rep AKR53286 - Viral replicase protein AGA18388 - Voral replicase protein AGA18388 - Vypothetical protein AGA18388 - Vypothetical protein AGA18388 - Vypothetical protein AGA18388 - Viral Rep YP_009126890 - cDS YP_009126890 - replication-associated protein YP_09126890 - Viral Rep AGA18473 - CDS AGA18473 - Viral Rep AGA18473 - Viral Rep AGA547835 - replication-associated protein AGA547835 - Viral Rep YP_009109670 - CDS YP_009109670 - CDS YP_009109670 - Viral Rep AQR57898 - Rep CDS AGA647898 - replicase Protein AQR57898 - Viral Rep AGA18245 - CDS AGA18245 - CDS AGA18245 - CDS AGA18245 - Popticase Protein AGA18245 - CDS AQR57902 - Rep CDS AQR57902 - Rep CDS AQR57902 - Viral Rep AXH73061 - Dutative CDS PN_619761 - putative CDS NP_619761 - Virus Rep AUU11729 - CDS AQU11729 - replication protein AUU11729 - Viral Rep	ATY42470 - CDS ATY42470 - putative replication associated protein	AVA17000 - start codon not determined CDS YP 004376332 - CDS
YP_009126890 - CDS	ATY42470 - RNA helicase	YP_004376332 - putative replication protein
YP_009126890 - replication-associated protein YP_009126890 - Viral Rep	AIL50149 - CDS AIL50149 - replicase Protein	YP_004376332 - RNA helicase ATY70087 - Rep CDS
AGA18473 - CDS	AlL50149 - replicase Protein AlL50149 - RNA helicase	ATY70087 - replication initiator protein
AGA18473 - nypotnetical protein AGA18473 - Viral Rep	AUT56110 - CDS AVT56110 - CDS AVT56110 - replicase Protein AVT56110 - RNA helicase ADC79191 - CDS ADC79191 - P-loop NTPase ADC79191 - V1 Protein AK084203 - CDS	YP 003084282 - CDS
AGS47835 - CDS	AVT56110 - RNA helicase	YP_003084282 - putative Rep protein
AGS47835 - replication-associated protein AGS47835 - Viral Rep	ADC79191 - CDS ADC79191 - P-loop NTPase	AXH77564 - CDS
YP_009109670 - CDS VP_009109670 - replication-associated protein	ADC79191 - V1 Protein AKO84203 - CDS AKO84203 - replicase Protein AKO84203 - replicase Protein AKO84203 - RNA helicase YP 009237578 - CDS YP 009237578 - RNA helicase YP 009237578 - RNA helicase YP 009237578 - Walker B motif YP 009051960 - CDS YP 009051960 - CDS YP 009051960 - Peloop NTPase YP 009051960 - replication-associated protein APG55798 - CDS APG55798 - Ploop NTPase APG55798 - Rep Protein APZ87906 - CDS APZ87906 - CDS APZ87906 - CDS APZ87906 - Peplication-associated protein	AXH77564 - putative viral replication protein
YP_009109670 - Viral Rep	AKO84203 - cD3 AKO84203 - replicase Protein	CBK25810 - rep CDS
AQR57898 - Rep CDS AQR57898 - replicase Protein	AKO84203 - RNA helicase YP 009237578 - CDS	CBK25810 - replication association protein
AQR57898 - Viral Rep	YP_009237578 - replication associated protein	AQU11776 - CDS
AGA18245 - CDS AGA18245 - hypothetical protein	YP_009237578 - RNA helicase YP_009237578 - Walker B motif	AQU11776 - replication protein AQU11776 - Viral Rep
AGA18245 - Viral Rep	YP_009051960 - CDS	AQU11773 - CDS
AQR57902 - Rep CDS AQR57902 - replicase Protein	YP_009051960 - P-loop NTPase YP_009051960 - replication-associated protein	AQU11773 - replication protein AQU11773 - Viral Rep
AQR57902 - Viral Rep	APG55798 - CDS	AEI54346 - CDS
AXH73061 - CDS AXH73061 - putative viral replication protein	APG55798 - P-100p NTPase APG55798 - Rep Protein	AEI54346 - rep protein AEI54346 - Viral Rep
AXH73061 - Viral Rep	APZ87906 - CDS	AGA18409 - CDS
NP_619761 - putative CDS NP_619761 - Viral Rep	APZ8/906 - CDS APZ87906 - replication-associated protein APZ87906 - RNA helicase AFH02742 - CDS AFH02742 - putative Rep Protein AFH02742 - Viral Rep AEL28813 - CDS	AGA18409 - Nypothetical protein AGA18409 - Viral Rep
NP_619761 - virus replication-associated protein	AFH02742 - CDS	AXH75991 - CDS
YP_009237578 - replication associated protein	AFH02742 - putative hep Frotein AFH02742 - Viral Rep	AXH75991 - putative viral replication protein
YP_009237578 - Viral Rep	AEL28813 - CDS	YP_009163927 - CDS VP_009163927 - putative replication initiation prote
AQU11729 - replication protein	AEL28813 - replication-associated protein AEL28813 - Viral Rep	YP_009163927 - Viral Rep
AQU11729 - Viral Rep AJD07493 - CDS	AXH74140 - CDS AXH74140 - helicase Protein	AEM05804 - CDS AEM05804 - REP Protein
AJD07493 - replication-associated protein	AXH/4140 - Virai Rep	AEM05804 - Viral Rep
AJD07493 - Viral Rep KM972725 (modified) - Replication associated protein	AVA16977 - replicase-associated protein AVA16977 - start codon not determined CDS AVV68420 - CDS	AXH74683 - CDS AXH74683 - putative viral replication protein
KM972725 (modified) - Replication associated protein interval 2 translation - Replication associated protein KM972726 (modified) - Replication associated protein	AVV68420 - CDS	AXH74683 - Viral Rep
interval 2 translation - Replication associated protein	AVV68420 - replication-associated protein AVA17000 - replicase-associated protein	AXH76451 - CDS AXH76451 - helicase Protein
AQU11726 - CDS AQU11726 - P-loop NTPase	AVA17000 - start codon not determined CDS AVA16996 - replicase-associated protein	AXH74683 - CDS AXH74683 - putative viral replication protein AXH74683 - Viral Rep AXH74683 - Viral Rep AXH76451 - CDS AXH76451 - helicase Protein AXH76451 - RNA helicase AGA18245 - CDS AGA18245 - hypothetical protein AGA18245 - RNA helicase YP_009021888 - CDS YP_009021888 - DDS
AQU11726 - Polop NTPase AQU11726 - replication protein AVV68420 - CDS	AVA16996 - start codon not determined CDS	AGA18245 - hypothetical protein
AVV68420 - CDS AVA16977 - replicase-associated protein	ATD53351 - ORF1 CDS ATD53351 - Rep Protein AVA16998 - replicase-associated protein	AGA18245 - RNA helicase YP, 009021888 - CDS
AVA16977 - replicase-associated protein AVV68420 - replication-associated protein AVA16977 - RNA helicase	AVA16998 - replicase-associated protein	
AV V6842U - BINA DElicase		YP_009021888 - replication associated protein ALE29635 - CDS
AVA16977 - start codon not determined CDS AVH76405 - CDS	AW169902 - Start Cool not determined CDS AWB80902 - Rep CDS AWB80902 - replicase protein YP_009458619 - rep CDS YP_009458619 - replication-association protein YP_009458619 - Viral Rep	ALE29635 - replication associated protein ALE29635 - RNA helicase YP 009237530 - CDS YP 009237530 - replication associated protein YP 009237530 - RNA helicase
AVH76405 - CDS AVH76405 - putative Rep Protein	YP_009458619 - rep CDS YP_009458619 - replication-association protein	ALE29635 - HNA helicase YP 009237530 - CDS
AVH76405 - putative Rep Protein AVH76405 - Viral Rep YP_009163920 - CDS	YP_009458619 - Viral Rep	YP_009237530 - replication associated protein
YP 009163920 - P-loop NTPase	BAP81877 - Rep CDS BAP81877 - rolling circle replication initiator protein BAP81877 - Viral Rep	TP_009237530 - HINA NEIICASE YP_009115538 - CDS
YP_009163920 - putative spliced replication initiation	BAP81877 - Viral Rep	YP_009115538 - CDS YP_009115538 - P-loop NTPase YP_009115538 - replication-associated protein AWW06057 - CDS
protein ARD71303 - P-loop NTPase	APZ87906 - CDS APZ87906 - replication-associated protein APZ87906 - Viral Rep	AWW06057 - CDS
ARD71303 - F-100/ NIT-286 ARD71303 - Putative replication initiator protein ARD71303 - Rep CDS AIF34818 - CDS AIF34818 - Polog NTPase	APZ87906 - Viral Rep AVT56110 - CDS	AWW06057 - CDS AWW06057 - helicase Protein AWW06057 - RNA helicase AGA18441 - CDS AGA18441 - hypothetical protein AGA18441 - Ploop NTPase YP_009116906 - CDS VP_009116906 - DSS VP_009116906 - DSS
AIF34818 - CDS	AVT56110 - CDS AVT56110 - replicase Protein AVT56110 - Viral Rep	AGA18441 - CDS
AIF34818 - P-loop NTPase AIF34818 - replication-associated protein	AVT56110 - Viral Rep All 50149 - CDS	AGA18441 - hypothetical protein AGA18441 - P-loop NTPase
AIF 340 TO - Teplication-associated protein	AlL50149 - CDS AlL50149 - replicase Protein AlL50149 - Viral Rep ATY42470 - CDS	YP_009116906 - CDS
AXH73508 - putative viral replication protein	AIL50149 - Viral Rep	YP_009116906 - P-loop NTPase YP_009116906 - replication-associated protein
AXG50856 - M-Rep CDS	ATY42470 - CD3 ATY42470 - putative replication associated protein ATY42470 - Viral Rep	AGA18448 - CDS
AXG50856 - master replication initiator protein AXG50856 - Viral Rep	ATY42470 - Viral Rep AKO71368 - CDS	AGA18448 - hypothetical protein AGA18448 - RNA helicase
AHC72271 - M-Rep CDS	AKO71368 - CDS AKO71368 - Replication associated protein AKO71368 - Viral Rep	AMH87735 - CDS
AXH73508 - CDS AXH73508 - putative viral replication protein AXH73508 - RNA helicase AXG50856 - M-Rep CDS AXG50856 - master replication initiator protein AXG50856 - Viral Rep AHC72271 - M-Rep CDS AHC72271 - waster replication initiator protein AHC72271 - Viral Rep YP_008997794 - M-Rep CDS YP_008997794 - M-Rep CDS YP_008997794 - M-Rep CDS	AKO71368 - Viral Rep ALA65733 - CDS ALA65733 - replication initiation protein ALA65733 - Viral Rep	AMH87735 - P-loop NTPase AMH87735 - replication-associated protein
VD 000007704 M Day CDC	ALA65733 - replication initiation protein	YP_009126890 - CDS
YP_008997794 - M-Rep CDS YP_008997794 - master replication initiator protein	ALACEZOO Visual Des	YP_009126890 - replication-associated protein

ANY-17668 - CDS

ANY-17669 - RNA helicase

ANY-17669 - RNA helicase

ANY-17669 - RNA helicase

YP 000021245 - RNA helicase

ANY-17669 - RNA helicase